53997-2-U

MICHIGAN TRAFFIC ACCIDENT FACTS 1985

WRONG WAY
STOP
KEEP RIGHT
SPEED LIMIT 55 MINIMUM 45
YIELD

prepared by the
Michigan Department of
State Police

PREFACE

Following a trend begun last year, 1985 traffic fatalities reflected an increase as the toll reached 1,569.

Compared with 1984, road deaths were up 0.8 percent, injuries climbed 4.4 percent, and total accidents escalated 15.4 percent.

These figures translated into a death rate of 2.3 per one hundred million miles of travel, an increase from the previous all-time low of 2.1.

Exposure factors in 1985 showed across the board increases. They included: Motor vehicle registrations up 5.4 percent to 6.86 million; vehicle travel mileage up 4.1 percent to 68.4 billion; and the number of licensed drivers up 1.0 percent to 7.20 million.

Factors influencing the traffic death toll and rate in 1985 were felt to include the trend toward higher speeds (non-compliance with the 55 MPH limit) and increased travel. These factors, in combination, increased the fatality count and tended to counter some of the benefits of safety belt usage.

Data on accidents in this booklet were obtained from individual reports and summaries provided by local police departments, sheriff jurisdictions, and the Department of State Police. Other related information was obtained from the Departments of Transportation, State, and Public Health.

Grateful appreciation is expressed to all involved agencies for their assistance.

Gerald Hough

Col. Gerald L. Hough
Director
Michigan Department of State Police

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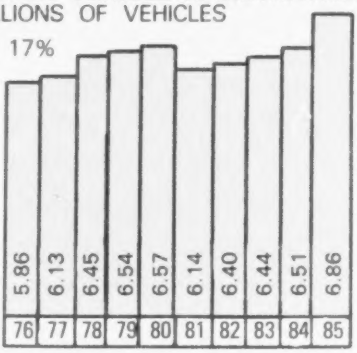
1985 QUICK FACTS

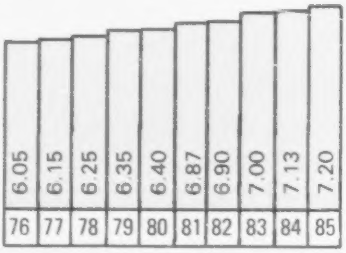
- There were **386,904** reported accidents of which **106,438** were personal injury type and **279,055** were property damage type accidents.
- A traffic accident was reported every **1** minute **22** seconds.
- Children under the age of 15 accounted for **54.3** percent of the bicycle deaths.
- One person was killed every **5** hours and **35** minutes as a result of a traffic accident.
- Of those fatal accidents where the drinking condition was determined, **46.5** percent indicated that alcohol was a factor.
- There were **157,417** persons injured, crippled, or maimed in accidents.
- One person was injured every **3** minutes and **21** seconds in a traffic accident in Michigan in 1985.
- The economic loss in Michigan traffic accidents amounted to **$1,663,140,000**.
- For each person killed there were **100.3** persons injured.
- Excessive speed was indicated as the hazardous action by **26** percent of the drivers involved in fatal accidents.
- Of the **2,189** drivers involved in fatal accidents, **14.6** percent were under 20 years of age and **33.2** percent of all drivers involved in fatal accidents were under 25 years of age.
- Of all fatal accidents, **28.3** percent occurred at intersections.
- In the last five years, **7,462** persons have been killed in Michigan traffic accidents. This is an average of **1,492** per year. During the previous five-year period, **9,604** persons were killed for an average of **1,921** per year.
- One out of every **5,784** persons living in Michigan was killed in a traffic accident; one out of every **58** persons was injured.
- The **1,569** persons killed were the result of **1,411** fatal accidents for an average of **1.11** deaths per fatal accident.
- **59.8** percent of all accidents occurred in URBAN areas, BUT **66.6** percent of all traffic deaths occurred in RURAL areas.
- The pedestrian death toll for Michigan stands at **251** persons. This represents an increase of **1** death over the 1984 figure.
- For each pedestrian killed, there were **18.6** pedestrians injured.
- Of the pedestrians killed, **38** percent were killed while crossing streets other than at intersections.
- Of the pedestrians killed, **29.1** percent were under the age of 20 years and **28.3** percent were 55 and older.
- During the past five years, a total of **1,243** pedestrians have been killed, an average of **249** per year.
- Of the **911,012** vehicle occupants involved in accidents, **502,102** or **55.1** percent were using occupant restraints.

MICHIGAN TRAFFIC TRENDS (1976-1985)

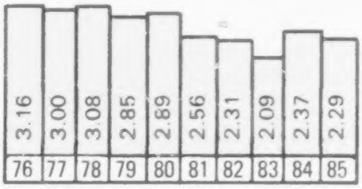
MOTOR VEHICLE REGISTRATIONS
MILLIONS OF VEHICLES
UP 17%



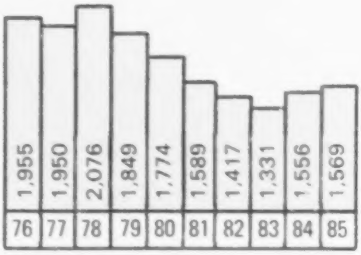
TOTAL DRIVERS
MILLIONS OF DRIVERS
UP 19%



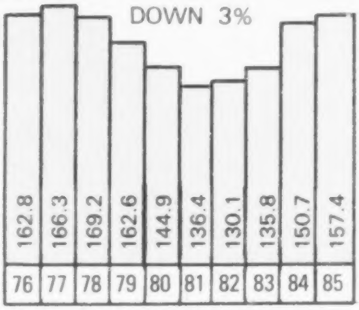
MILEAGE DEATH RATE
DEATHS PER 100 MILLION VEHICLE MILES
DOWN 28%



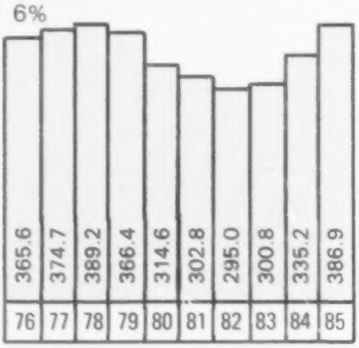
DEATHS
NUMBER OF DEATHS
DOWN 20%



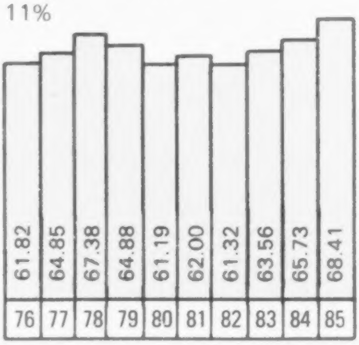
INJURIES
THOUSANDS OF INJURIES
DOWN 3%



ACCIDENTS
THOUSANDS OF ACCIDENTS
UP 6%



VEHICLE MILES TRAVELED
BILLIONS OF MILES
UP 11%



A fatality was counted when a person died due to injuries from a traffic accident, up to one year after the accident. Starting in 1979 this time period was reduced to 90 days after the accident.

1984-1985 SUMMARY TRENDS

- Total accidents increased **15.4%** statewide.
- Fatal accidents increased **1.4%**.
- Persons killed increased **0.8%**.
- Injury accidents increased **5.7%**.
- Persons injured increased **4.4%**.
- Persons sustaining "A" type injuries (the most serious) increased **3.8%**.
- Vehicle occupants, driver and passenger deaths increased **1.7%**.
- Non vehicle occupants, pedestrians, bicyclists, motorcyclists, farm equipment, and other deaths decreased **1.1%**.
- Drinking was a factor in **46.5%** of all fatal accidents where the drinking condition was reported, a decreased of **9.7%** from the 1984 figure.

ANNUAL SUMMARY	1984	1985	PERCENT CHANGE
NUMBER OF ACCIDENTS			
Total Accidents	335,193	386,904	+15.4
Fatal Accidents	1,392	1,411	+ 1.4
Personal Injury Accidents	100,710	106,438	+ 5.7
Property Damage Accidents	233,091	279,055	+19.7
PERSONS KILLED			
Male	1,087	1,079	- 0.7
Female	469	490	+ 4.5
TOTAL	1,556	1,569	+ 0.8
Drivers	748	724	- 3.2
Passengers	341	383	+12.3
Pedestrians	250	251	+ 0.4
Bicyclists	47	46	- 2.1
Motorcyclists	150	142	- 5.3
Farm Equipment	6	3	-50.0
Other	14	20	+42.9
TOTAL	1,556	1,569	+ 0.8
DRINKING IN FATAL ACCIDENTS			
Had Been Drinking	704(50.6%)	645(45.7%)	- 8.4
Had Not Been Drinking	664(47.7%)	741(52.5%)	+11.6
Unknown Drinking	24(1.7%)	25(1.8%)	+ 4.2
PERSONS INJURED			
"A" Injury	21,252	22,064	+ 3.8
"B" Injury	44,717	45,097	+ 0.8
"C" Injury	84,771	90,256	+ 6.5
TOTAL	150,740	157,417	+ 4.4
PERSONS IN ACCIDENTS			
Killed and Injured	152,296	158,986	+ 4.4
Not Injured	713,109	834,631	+17.0
TOTAL	865,405	993,617	+14.8

The continuous presence of alcohol as a factor in accidents indicates a need for more legislation in the accident field whereby all drivers involved in accidents would be subjected to a chemical test to determine their blood-alcohol content.

As a measure of accomplishment, Michigan's death rate per 100 million miles has been driven downward from an all-time high of 16.8 in 1935 to the moderate low of 2.3 for this year. Applying the 100 million mile death rate unit to the past three decades will reveal marked progress in the effort to save lives on the state's roadways.

A multi-factored effort may be credited with this overall improvement and rests largely on some rather exhaustive participation by several disciplines. Improved highway engineering techniques, technical advances in automobile design and manufacture, emergency medical treatment advancement, more adequately trained drivers, and the efficient use of selective enforcement have all been responsible for this better experience.

Traffic accidents, in general, result from various causes, direct and indirect. The three elements of traffic: the driver, the highway, and the motor vehicle, contribute, in some measure, to every accident. A preponderance of evidence, however, points to driver error as the chief cause of the majority of accidents.

Many common driver failures can be cited as contributory factors in accidents. Without any particular priority, enforcement investigation shows irresponsible attitude, lack of skill, inattention, fatigue, physical impairment, lack of knowledge, and failure to drive defensively as some of the accident-producing factors. It may be noted that the more experienced driver compensates for many of these self-induced mistakes, drawing on learned skills and experiential techniques.

Significantly, driver age group 15-24 represents 20.5 percent of the total licensed drivers in Michigan. However, they account for a disproportionate number of all accidents at 31.2 percent and an involvement of 33.2 percent in all fatal accidents. Comparing other ten-year age groupings with this record underscores the high risk potential of the group and strengthens conclusions drawn from past law enforcement experiences.

One of the best prospects for accident reduction and safer driving is a quality driver education and driver improvement program. This program enrolls 97 percent of eligible students in qualifying courses annually. Driver improvement schools, relating to courts, work to reestablish proper driving skills and attitudes in problem drivers.

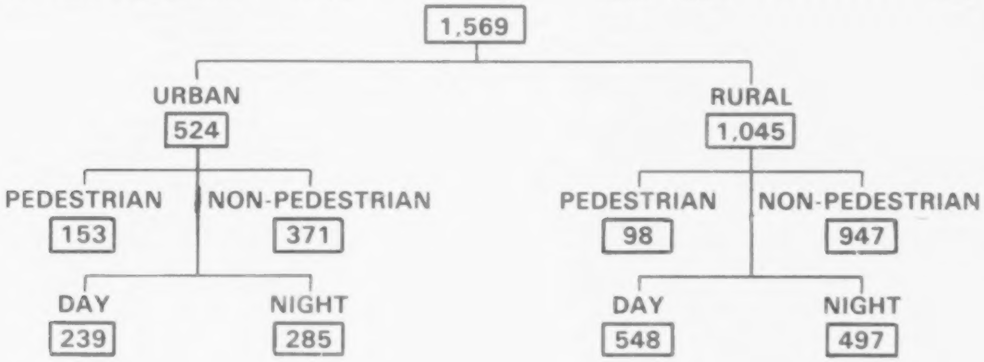
With the entrance of the Federal Government into the state traffic safety field (Highway Safety Act of 1966), an acceleration of research and development is producing promising dividends. Variables such as highway design, attitudinal research, and program studies are being given a closer look with an eye toward more comprehensive accident prevention planning. Conclusions cannot be easily reached and the complexity of the total problem demands intensified enforcement participation.

With exposure factors of increased traffic continuing to mount, it is obvious that every effort must be made to implement effective programs. The combined Federal-State jurisdictions will need maximum support from officials and citizens alike if the present trend is to be continued and more lives are to be saved.

PRINCIPAL CLASSES OF MOTOR-VEHICLE DEATHS

About two out of every three deaths in 1985 occurred in places classified as rural. In URBAN areas, 29.2 percent of the victims were pedestrians and in RURAL areas, 90.6 percent of the victims were occupants of motor vehicles. Approximately 50 percent of all deaths occurred in night accidents.

Total Pedestrians	**251**	**Total Day**	**787**
Total Non-Pedestrians	**1,318**	**Total Night**	**782**


1,569
URBAN
524
RURAL
1,045
PEDESTRIAN
153
NON-PEDESTRIAN
371
PEDESTRIAN
98
NON-PEDESTRIAN
947
DAY
239
NIGHT
285
DAY
548
NIGHT
497

FATAL ACCIDENTS BY DATE AND MONTH

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
01......	4	5	3	3	1	4	5	3	[illegible]	6	11	[illegible]	50
02......	2	7	3	1	5	7	5	6	[illegible]	1	7	2	52
03......	*	3	2	2	4	2	3	5	6	4	5	1	37
04......	5	*	2	3	7	2	6	4	3	4	1	4	41
05......	3	2	1	4	5	4	2	5	3	3	3	10	45
06......	5	3	2	1	4	2	[illegible]	4	2	5	5	2	39
07......	5	5	3	8	1	4	[illegible]	4	4	4	3	5	48
08......	1	2	4	2	1	9	1	5	3	4	4	4	40
09......	4	7	6	1	2	9	4	2	1	*	11	4	51
10......	5	1	1	5	5	4	5	5	3	3	3	5	45
11......	5	3	*	3	5	8	2	7	6	5	3	2	49
12......	3	5	*	7	6	5	5	2	1	5	2	3	44
13......	6	1	1	6	9	5	7	4	5	4	2	2	52
14......	3	5	6	7	6	*	4	2	12	3	5	5	58
15.....	1	2	1	3	*	9	3	1	3	4	6	3	36
16......	3	4	3	2	*	9	7	8	*	3	4	2	45
17......	5	1	2	3	2	4	5	8	3	5	4	2	44
18......	7	*	2	5	4	4	2	*	2	7	6	3	42
19......	4	2	2	9	7	4	4	4	*	7	4	5	52
20......	4	3	3	4	4	5	11	3	2	3	2	7	51
21......	1	2	1	8	4	4	5	2	5	3	3	7	45
22......	4	2	2	5	4	7	3	7	6	2	4	12	58
23......	1	5	4	4	5	7	5	6	4	2	7	4	54
24......	7	2	1	2	6	*	3	9	3	5	3	4	45
25......	1	4	1	5	4	4	1	2	2	5	9	1	39
26......	1	1	3	5	[illegible]	4	5	1	5	13	3	9	56
27......	3	1	3	7	5	7	3	1	7	3	[illegible]	7	50
28......	1	4	2	3	2	6	8	4	7	*	[illegible]	6	45
29......	*	-	2	1	1	4	4	2	4	2	[illegible]	3	31
30......	3	-	3	3	3	10	4	[illegible]	5	2	[illegible]	[illegible]	47
31......	1	-	*		5	-	4	[illegible]	-	6	-	[illegible]	20
TOTALS...	98	82	69	122	123	153	132	124	115	123	139	131	1411

*Deathless Days ▨ Holiday Period

PERSONS KILLED BY DATE AND MONTH

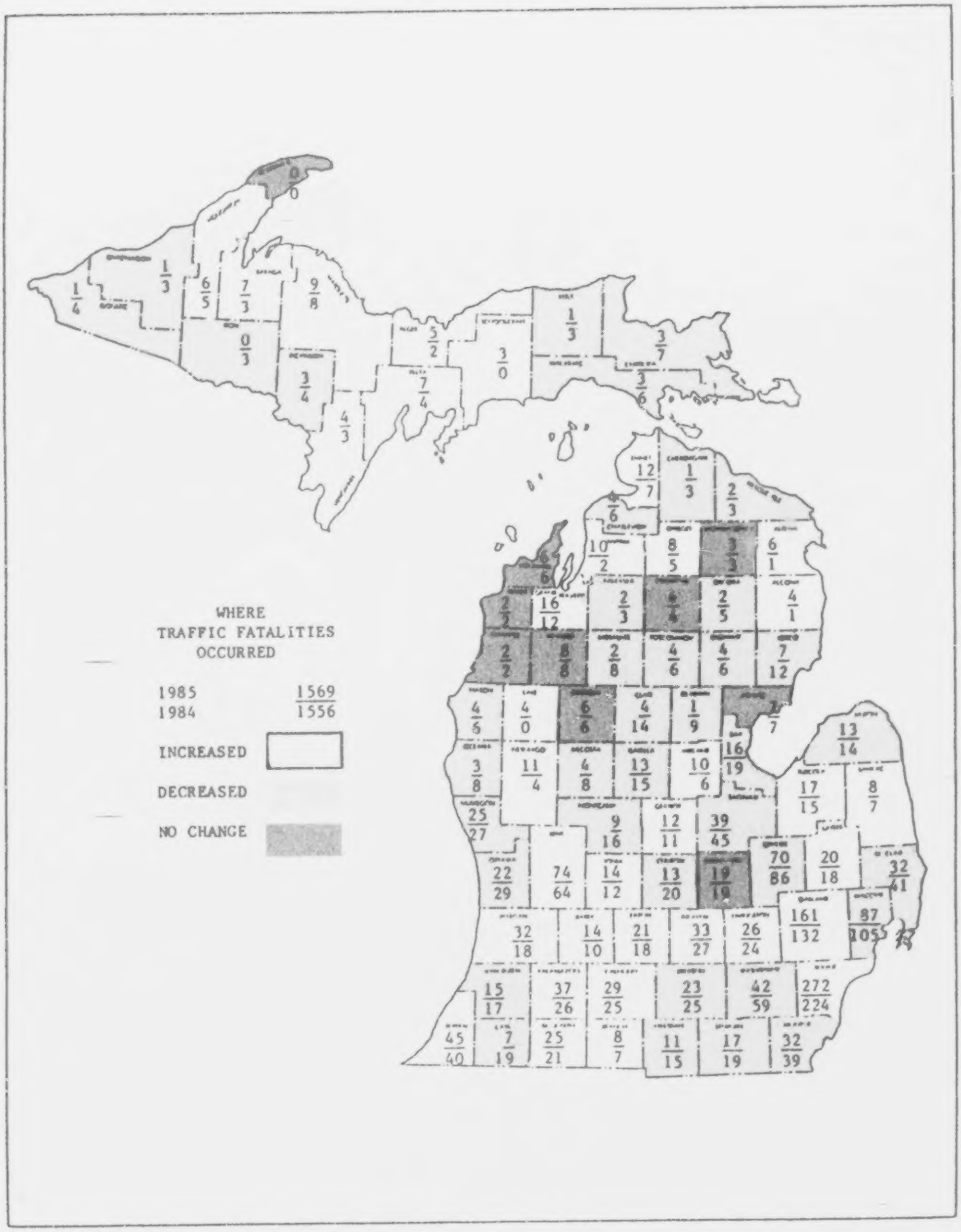
Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
01......	4	5	3	4	1	4	7	3	2	6	13	4	56
02......	3	7	3	1	5	7	5	6	9	1	7	2	56
03......	*	5	2	2	5	2	3	5	6	4	6	1	41
04......	6	*	2	3	8	2	7	4	3	4	1	4	44
05......	3	2	1	5	6	5	2	9	3	4	5	14	59
06......	5	3	2	1	4	2	5	6	2	5	5	2	42
07......	6	5	3	9	1	5	2	4	5	4	3	5	52
08......	1	2	5	2	3	10	1	5	3	4	5	4	45
09......	5	8	6	1	2	9	5	2	1	*	12	4	55
10......	5	1	2	5	5	4	7	6	3	4	3	6	51
11......	5	3	*	4	6	9	2	9	8	5	3	2	56
12......	3	5	*	8	6	5	5	2	1	6	2	3	46
13......	6	1	1	6	11	6	8	7	5	5	2	2	60
14......	4	5	6	7	7	*	4	2	12	3	5	7	62
15......	1	3	1	3	*	10	3	1	4	4	12	3	45
16......	3	4	3	2	*	10	8	8	*	4	9	2	53
17......	5	1	2	3	2	5	5	8	3	5	4	2	45
18......	7	*	2	5	4	4	2	*	2	11	7	3	47
19......	5	2	3	9	7	4	4	4	*	7	4	5	54
20......	5	3	3	6	4	5	11	3	2	3	2	7	54
21......	1	3	3	8	4	4	6	2	6	3	4	7	51
22......	4	2	2	5	4	7	3	7	10	2	5	14	65
23......	3	7	5	4	5	7	5	6	5	2	7	4	60
24......	7	2	1	2	6	*	3	9	3	5	3	6	47
25......	1	5	1	7	5	4	1	2	2	5	10	1	44
26......	2	1	3	5	7	4	5	1	5	15	3	13	64
27......	3	1	3	8	8	7	5	1	8	3	3	7	57
28......	1	5	4	4	2	6	8	4	9	*	2	6	51
29......	*	-	2	1	1	5	4	2	4	2	8	3	32
30......	3	-	3	3	3	15	6	5	5	2	6	3	54
31......	1	-	*	-	5	-	4	3	-	7	-	1	21
TOTALS...	108	91	77	133	137	167	146	136	131	135	161	147	1569

*Deathless Days ▨ Holiday Period

This year Michigan experienced 16 deathless days on her highways.

MICHIGAN TRAFFIC ACCIDENT FACTS
FOR VARIOUS TIME PERIODS

Accident Facts	During 1985			Yearly Comparisons		% Change
	Per Day	Per Week	Per Month	1984	1985	1984-1985
Deaths	4.3	30.2	131	1,556	1,569	+ 0.8
Injuries	431	3,027	13,118	150,740	157,417	+ 4.4
Accidents	1,060	7,440	32,242	335,193	386,904	+15.4
Cost of Accidents	$4,556,548	$31,983,461	$138,595,000	$1,587,120,000	$1,663,140,0	+ 4.8
Drivers Involved	1,803	12,654	54,833	563,543	658,000	+16.8
Vehicles Involved	1,805	12,669	54,899	564,368	658,786	+16.7


WHERE
TRAFFIC FATALITIES
OCCURRED
1985 1569
1984 1556
INCREASED
DECREASED
NO CHANGE

MOTOR VEHICLE DEATHS, MILEAGE, AND RATES BY MONTH

	Traffic Deaths					1985 Percentages		
Month	1981	1982	1983	1984	1985	Percent Deaths	Percent Miles Driven	Death Rate*
January.....	99	98	113	93	108	6.9	8.0	2.0
February....	100	79	94	84	91	5.8	7.9	1.7
March.......	108	93	83	104	77	4.9	8.1	1.4
April.......	116	91	91	94	133	8.5	8.1	2.4
May.........	116	114	91	125	137	8.7	8.2	2.4
June........	155	121	127	143	167	10.6	8.5	2.9
July........	159	154	121	175	146	9.3	9.0	2.4
August......	171	153	117	174	136	8.7	9.1	2.2
September...	149	128	131	135	131	8.3	8.6	2.2
October.....	155	144	153	153	135	8.6	8.2	2.4
November....	113	131	115	134	161	10.3	8.2	2.9
December....	148	111	95	142	147	9.4	8.1	2.7
TOTALS......	1,589	1,417	1,331	1,556	1,569	100.0	100.0	2.3

*Deaths per 100 million vehicle miles.

In 1985 the highest death total was in June. Over the five year period presented here, July had the highest average, followed by August.

MOTORCYCLE AND MOTOR SCOOTER DATA

Motorcycle & Motor Scooter Data	1981	1982	1983	1984	1985
Registrations.................	243,858	230,794	219,929	212,613	203,226
Deaths........................	153	119	115	151	142
Death Rate*...................	6.3	5.2	5.2	7.1	7.0
Estimated Mileage**(million)...	731,574	692,382	659,787	637,839	609,678
Death Rate***.................	20.9	17.2	17.4	23.6	23.3

*Based on 10,000 cycle registrations.
**Based on 3,000 miles per cycle.
***Based on deaths per 100 million vehicle miles traveled.

Motorcycle registrations peaked about 1980, and previous years have reflected a gradual decline; 1985 showed a 4.4 percent decrease over 1984, this compared with a 5.4 percent increase in total motor vehicle registrations.

Based on deaths per 10,000 registrations, the mortality rate for motorcycles is 7.0 while deaths for all vehicles is 2.3 per 10,000 registered.

There are no accurate mileage figures for motorcycles, but estimates range from 3,000 to 5,000 miles per year for personal cycles. Such figures indicate that the mileage death rate, based on rider deaths only, may range between 14.0 and 23.3 (deaths per 100 million vehicle miles of travel). This compares with the 1985 death rate for all motor vehicles of 2.3 per 100 million miles which includes pedestrian and other non-occupant deaths among total deaths. There were 1,074 moped involved accidents; in those accidents, 2 persons were killed and 1,027 were injured.

Detailed information can be obtained on 1985 Michigan Motorcycle and Motor Scooter Data by contacting the Michigan Department of State Police, Traffic Services Division.

MICHIGAN BICYCLE ACCIDENTS

In 1985, there were 46 bicyclists killed and 3,785 injured in 4,397 total reported accidents involving bicycles and motor vehicles. The number killed was 1 less than in 1984, but the injuries recorded were 3.5 percent higher.

Children under 15 years of age accounted for 25 or 54.3 percent of the bicycles deaths in 1985.

Generally, three out of five bicyclists are killed in rural areas. In 1985, rural deaths were 28 and there were 18 in urban areas. Past experience indicates that urban areas have two to three times as many bicycle injuries and total reported accidents compared with rural experience and this was true again in 1985.

Age of Persons Killed	1981	1982	1983	1984	1985
0 - 4 years.........	1	0	1	1	1
5 - 9 years.........	11	9	5	6	13
10 - 14 years.........	12	19	15	19	11
15 - 19 years.........	7	9	8	4	6
20 - 24 years.........	4	3	3	4	3
25 - 34 years.........	4	5	4	7	4
35 - 44 years.........	1	0	1	3	3
45 - 54 years.........	1	2	3	0	0
55 - 64 years.........	1	2	2	0	3
65 - 74 years.........	1	0	0	0	2
75 and over...........	1	1	3	3	0
Not Stated............	0	0	0	0	0
TOTALS.................	44	50	45	47	46

Age of Persons Injured	1981	1982	1983	1984	1985
0 - 4 years.........	62	40	50	55	61
5 - 9 years.........	558	528	523	535	576
10 - 14 years.........	1,382	1,291	1,273	1,266	1,318
15 - 19 years.........	949	888	900	874	814
20 - 24 years.........	389	346	399	341	356
25 - 34 years.........	276	282	358	328	364
35 - 44 years.........	78	113	110	104	118
45 - 54 years.........	43	33	44	47	65
55 - 64 years.........	27	35	27	41	42
65 - 74 years.........	18	16	24	28	23
75 and over...........	10	9	12	8	11
Not Stated............	30	36	26	30	37
TOTALS................	3,822	3,617	3,746	3,657	3,785

Detailed information can be obtained on Michigan Bicycle Accidents by contacting the Michigan Department of State Police, Traffic Services Division.

MICHIGAN RAILROAD ACCIDENTS

Of the 302 grade crossing accidents which happened in Michigan during 1985, 28 were fatal accidents in which 35 persons were killed. Approximately 75 percent of the vehicles struck were passenger cars; the rest were mostly trucks, but 2 motorcycles were also involved.

Three out of four drivers involved in these accidents were local residents who either drove too fast and were unable to stop or disregarded a traffic signal or sign.

During the daylight hours 157 or 52.0 percent of the train accidents occurred.

Detailed information can be obtained on Michigan Railroad Accidents by contacting the Michigan State Police, Traffic Services Division.

MICHIGAN MOTOR VEHICLE-DEER INVOLVED/ASSOCIATED ACCIDENTS

Michigan had 28,968 reported motor vehicle-deer accidents during 1985 in which 5 persons were killed as a result of the collisions. Over 75 percent of the vehicles involved were passenger cars.

Accidents involving deer occurred most frequently during the fourth quarter (50%) and the second quarter (20%) of the year for a total of 70 percent of all motor vehicle-deer collisions.

Over 62 percent of the drivers involved were local residents with 69.6 percent of the accidents occurring during hours of darkness.

Contrary to common belief, motor vehicle-deer accidents are happening in Michigan's southern, heavily populated counties; Kent County had the highest with 967 such accidents in 1985.

Detailed information can be obtained on Motor Vehicle-Deer Accidents by contacting the Michigan Department of State Police, Traffic Services Division.

MICHIGAN FARM EQUIPMENT ACCIDENTS

A total of 429 accidents involving farm equipment were reported on Michigan roadways during 1985. Of these accidents, 376 were the result of a collision with another vehicle. In 103 of these accidents, both vehicles were traveling in the same direction resulting in a rear end collision. Of the total accidents, 71.3 percent happened during daylight hours and 62.7 percent happened on dry roads.

Farm equipment accidents claimed the lives of 5 persons on Michigan roadways during 1985. Three of the persons killed were drivers or passengers on the farm equipment and were killed in collisions with another motor vehicle. Of the drivers involved in farm equipment accidents, 83 percent were males.

Detailed information can be obtained on Michigan Farm Equipment Accidents by contacting the Michigan Department of State Police, Traffic Services Division.

SNOWMOBILE ACCIDENTS

	1984-1985								
	Number of Accidents				Number of Persons		1983-1984		
Type of Accident	Total*	Fatal	Injury	PD	Killed	Injured	Accidents	Killed	Injured
Overturned....................	36	3	31	2	3	37	40	0	42
Other Non-collision...........	40	2	38	0	2	41	55	4	50
Collision with:									
Pedestrian....................	14	1	13	0	1	17	6	1	5
Motor Vehicle in Transport....	164	5	96	63	5	118	143	5	98
Motor Vehicle/Other Roadway...	0	0	0	0	0	0	0	0	0
Parked Motor Vehicle..........	33	4	17	12	5	25	40	4	24
Railroad Train................	2	0	0	2	0	0	0	0	0
Pedalcycle....................	0	0	0	0	0	0	0	0	0
Animal........................	4	0	2	2	0	2	5	0	2
Fixed Object..................	94	2	81	11	2	84	99	2	95
Other Object..................	0	0	0	0	0	0	7	0	8
TOTALS........................	387	17	278	92	18	324	395	16	324

*Includes 245 Traffic Accidents - 142 Non-Traffic Accidents.

Reflecting an ongoing interest in the sport, snowmobile accidents fell within the norm showing a slight decrease from the previous snow season with total accidents down 2.0 percent, deaths up 12.5 percent, and injuries tied at 324. Statistics show Michigan had 69,251 registered snowmobiles during the 1968-1969 snow season. The latest statistics now show Michigan has registered 287,524 snowmobiles, an increase of 6.0 percent over last year.

Snowmobiles in the state of Michigan are not a passing fancy to be dealt with lightly; their popularity has brought with it many complications, particularly those pertaining to safe operation. There must be continuous concern to improve the safety for all persons involved in snowmobiling.

Detailed information can be obtained on 1985 Michigan Snowmobile Accidents by contacting the Michigan Department of State Police, Traffic Services Division.

OPERATION C.A.R.E.

The 1985 Operation C.A.R.E. program was again funded through a grant from the Office of Highway Safety Planning. This year's grant totaled $350,000 with $240,000 scheduled for personnel services (patrol overtime, field supervision, and headquarters coordination).

Troopers worked a total of 7,500 patrol hours of overtime during the summer holiday weekends. These increased patrols generated in excess of 25,000 traffic citations, 525 O.U.I.L. arrests, and over 40,000 motorist contacts.

Fifty-two volunteer organizations assisted Operation C.A.R.E. by maintaining traffic safety breaks at 59 rest areas and roadside parks. These groups distributed traffic safety information and it is estimated that nearly one million cups of coffee and cold drinks were served over the summer holiday weekends.

HOLIDAY DEATH COUNT

	Year	Memorial Day	July 4th	Labor Day
	1974...........		34	25
	1975...........	28	27	25
	1976...........	34	19	31
	1977...........	32	34	
				18
	1978...........	25	23	31
C	1979...........	17	12	31
	1980...........	23	25	26
A	1981...........	12	22	17
	1982...........	9	30	21
R	1983...........	13	22	17
	1984...........	18	8	19
E	1985...........	23	17	17

OCCUPANT RESTRAINTS

Since April 1982, Michigan has had a child restraint law, and in July of 1985 a mandatory restraint law went into effect for all front seat occupants. Other countries have been very successful in further reducing the number of deaths and injuries due to traffic accidents by passing laws requiring all vehicle occupants to be restrained.

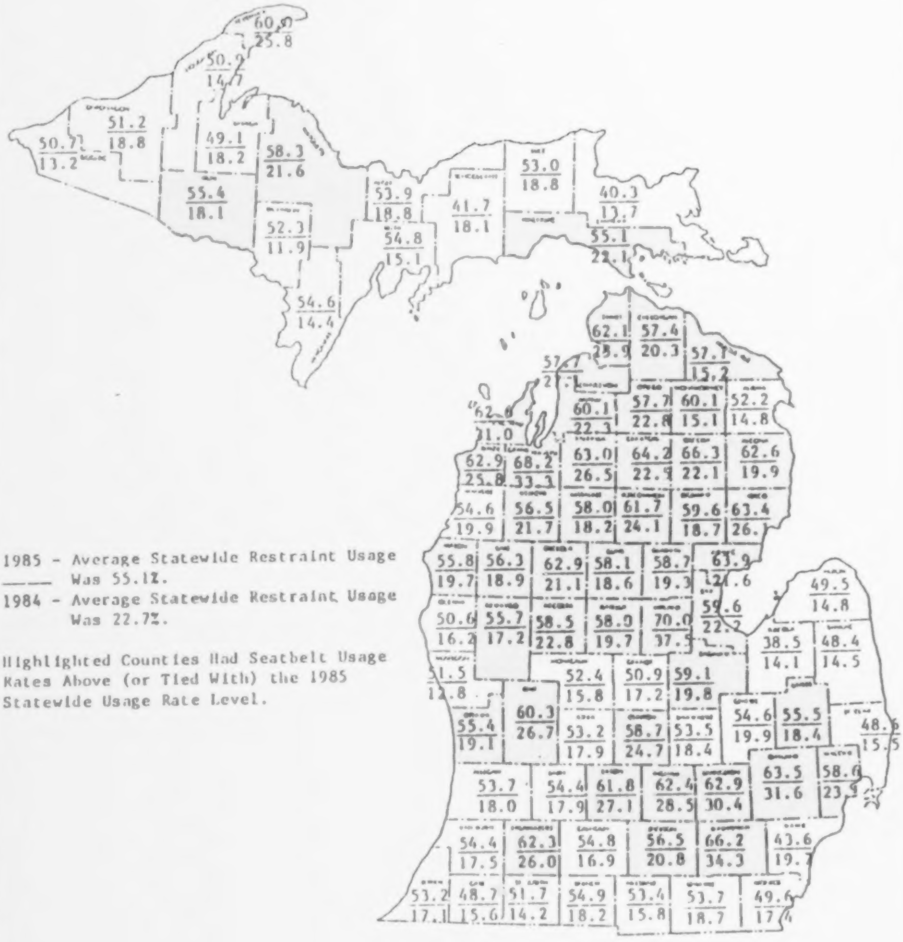
In reviewing the Michigan restraint data, it is obvious that there is still a need for more voluntary compliance in restraint usage. Of the total occupants involved in accidents, 55.2 percent were using restraints, up from 22.8 percent in 1984. Public attitudes must change; the approach is a long term comprehensive, informational and educational program designed to impact an entire population through small group communication techniques.

	Total Occupants		Occupants In Fatal Accidents		Occupants In Injury Accidents		Occupants Prop. Damage Accidents	
Using Restraints...........	501,951	55.2%	1,065	32.6%	138,255	50.0%	362,631	57.7%
Not Using Restraints.......	336,238	37.0%	1,922	58.7%	117,079	42.3%	217,237	34.5%
Usage Unknown..............	70,456	7.8%	285	8.7%	21,220	7.7%	48,951	7.8%
TOTAL OCCUPANTS............	908,645		3,272		276,554		628,819	

MONTHLY PERCENTAGE OF OCCUPANT RESTRAINT USAGE

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1978....	15.7	14.5	13.6	12.7	12.8	12.3	12.2	11.7	11.9	11.7	12.2	12.0	12.8
1979....	12.8	11.8	11.6	10.8	11.0	10.5	10.6	10.8	10.8	10.6	11.2	11.3	11.2
1980....	11.0	10.9	11.1	10.3	9.0	8.2	9.6	9.9	10.4	10.8	10.7	11.1	10.3
1981....	11.1	11.1	10.9	10.2	10.1	10.5	10.9	10.5	11.5	11.4	11.3	12.4	11.1
1982....	13.4	13.8	13.8	15.7	15.3	15.1	15.4	14.9	15.8	15.6	17.3	16.5	15.1
1983....	16.8	17.0	17.1	17.2	17.6	17.5	18.1	18.1	17.8	18.9	20.2	20.8	18.2
1984....	21.0	20.4	20.8	20.6	20.9	20.7	22.5	22.6	23.4	24.0	25.5	27.1	22.8
1985....	28.9	28.6	31.0	31.6	31.1	34.9	75.0	73.8	73.4	77.2	78.2	79.4	55.2

1985
RESTRAINT USAGE (PERCENT) BY COUNTY
JANUARY-DECEMBER

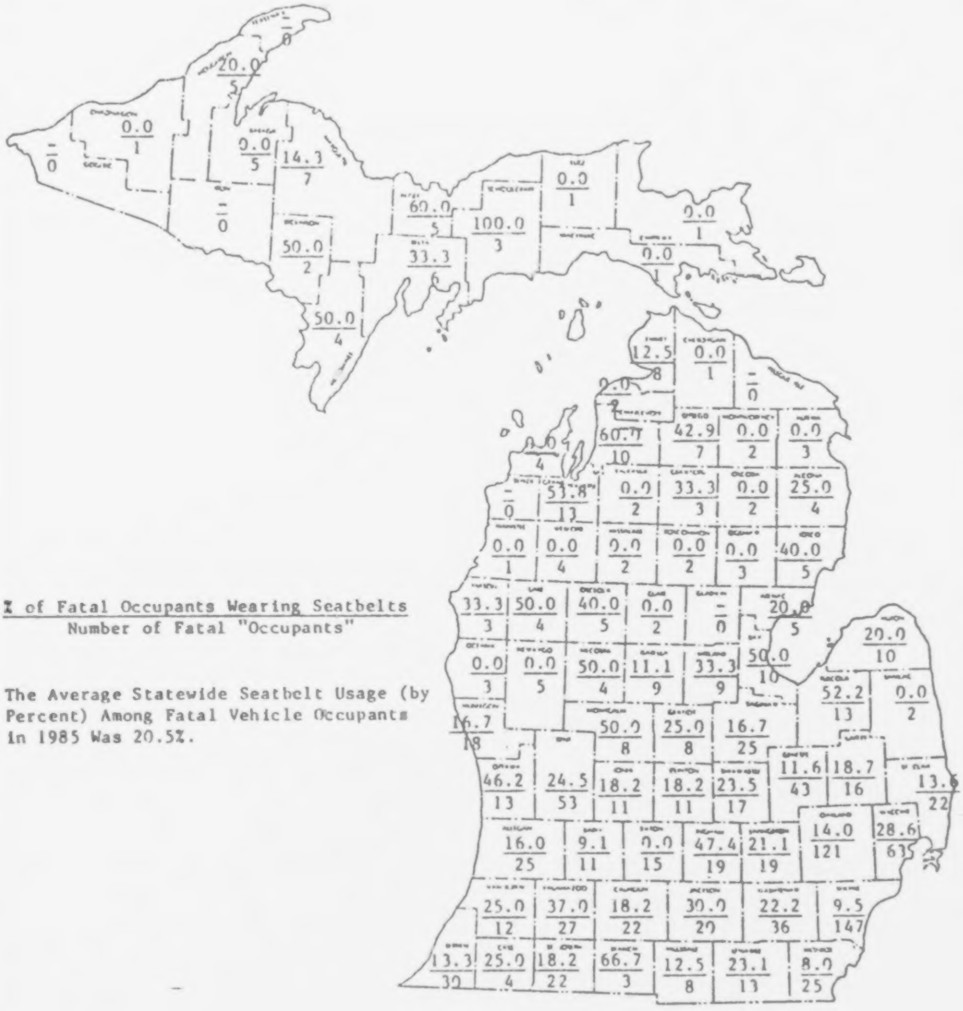

60.0 / 25.8
50.9 / 14.7
51.2 / 18.8
50.7 / 13.2
49.1 / 18.2
58.3 / 21.6
55.4 / 18.1
52.3 / 11.9
54.6 / 14.4
53.9 / 18.8
54.8 / 15.1
41.7 / 18.1
53.0 / 18.8
40.3 / 13.7
55.1 / 22.1
62.1 / 23.9
57.4 / 20.3
57.7 / 15.2
57.7 / 2
62.0 / 31.0
60.1 / 22.3
57.7 / 22.8
60.1 / 15.1
52.2 / 14.8
62.9 / 25.8
68.2 / 33.3
63.0 / 26.5
64.2 / 22.9
66.3 / 22.1
62.6 / 19.9
54.6 / 19.9
56.5 / 21.7
58.0 / 18.2
61.7 / 24.1
59.6 / 18.7
63.4 / 26.
55.8 / 19.7
56.3 / 18.9
62.9 / 21.1
58.1 / 18.6
58.7 / 19.3
63.9 / 24.6
49.5 / 14.8
50.6 / 16.2
55.7 / 17.2
58.5 / 22.8
58.0 / 19.7
70.0 / 37.5
59.6 / 22.
38.5 / 14.1
48.4 / 14.5
51.5 / 12.8
52.4 / 15.8
50.9 / 17.2
59.1 / 19.8
55.4 / 19.1
60.3 / 26.7
53.2 / 17.9
58.7 / 24.7
53.5 / 18.4
54.6 / 19.9
55.5 / 18.4
48.6 / 15.5
53.7 / 18.0
54.4 / 17.9
61.8 / 27.1
62.4 / 28.5
62.9 / 30.4
63.5 / 31.6
58.6 / 23.9
54.4 / 17.5
62.3 / 26.0
54.8 / 16.9
56.5 / 20.8
66.2 / 34.3
43.6 / 19.7
53.2 / 17.1
48.7 / 15.6
51.7 / 14.2
54.9 / 18.2
53.4 / 15.8
53.7 / 18.7
49.6 / 17.4

1985 - Average Statewide Restraint Usage Was 55.1%.

1984 - Average Statewide Restraint Usage Was 22.7%.

Highlighted Counties Had Seatbelt Usage Rates Above (or Tied With) the 1985 Statewide Usage Rate Level.

1985
RESTRAINT USAGE (PERCENT)
BY FATAL "OCCUPANT" VICTIMS BY COUNTY



0/0
20.0/5
0.0/1
-/0
0.0/5
14.3/7
-/0
50.0/2
50.0/4
60.0/5
33.3/6
100.0/3
0.0/1
0.0/1
0.0/1
12.5/8
0.0/1
-/0
0.0/2
60.0/10
42.9/7
0.0/2
0.0/3
0.0/4
-/0
53.8/13
0.0/2
33.3/3
0.0/2
25.0/4
0.0/1
0.0/4
0.0/2
0.0/2
0.0/3
40.0/5
33.3/3
50.0/4
40.0/5
0.0/2
-/0
20.0/5
0.0/3
0.0/5
50.0/4
11.1/9
33.3/9
50.0/10
20.0/10
52.2/13
0.0/2
16.7/18
50.0/8
25.0/8
16.7/25
46.2/13
24.5/53
18.2/11
18.2/11
23.5/17
11.6/43
18.7/16
13.6/22
16.0/25
9.1/11
0.0/15
47.4/19
21.1/19
14.0/121
28.6/63
25.0/12
37.0/27
18.2/22
30.0/20
22.2/36
9.5/147
13.3/30
25.0/4
18.2/22
66.7/3
12.5/8
23.1/13
8.0/25

% of Fatal Occupants Wearing Seatbelts
Number of Fatal "Occupants"

The Average Statewide Seatbelt Usage (by Percent) Among Fatal Vehicle Occupants in 1985 Was 20.5%.

AGE OF MAJORITY ACCIDENT DATA

18-20 Year-Olds

One of the most publicized aspects of the drinking and driving problem has been the emphasis on the "young driver," 18 to 20 years of age. Very diverse opinions as to the significance of the data exist among the concerned interest groups. Michigan's legal drinking age returned to 21 in 1979.

The Michigan data reveals that the young drivers are continuing their downward trend (80-85) of involvement in alcohol-involved accidents and O.U.I.L. arrests; this counters an upward trend established in the mid- to late 1970s. The push to remove drunk drivers from the roadways, as viewed by the numbers of O.U.I.L. arrests in 1983 and 1984, lost steam in 1985 as many reductions in manpower and funding took their toll.

In an attempt to display the most pertinent information for this publication, the following schedules have been selected from the complete study.

DRINKING DRIVERS INVOLVED IN ACCIDENTS

	18 - 20 YEARS				ALL AGES			
ACCIDENT TYPE	1983	1984	1985	84-85 % Change	1983	1984	1985	84-85 % Change
All.............	5,941	5,816	4,980	-14.4	40,055	40,753	39,685	-2.6
Fatal...........	109	100	68	-32.0	631	671	639	-4.8
Injury..........	2,744	2,764	2,283	-17.4	18,622	19,196	17,935	-6.6
Property Damage.	3,088	2,952	2,629	-10.9	20,802	20,886	21,111	+1.1

ALL DRIVERS INVOLVED IN ACCIDENTS

	18 - 20 YEARS				ALL AGES			
ACCIDENT TYPE	1983	1984	1985	84-85 % Change	1983	1984	1985	84-85 % Change
All.............	64,467	72,030	81,356	+12.9	499,897	563,543	658,000	+16.8
Fatal...........	224	270	254	-5.9	1,764	2,115	2,189	+3.5
Injury..........	20,131	22,881	23,543	+2.9	156,676	177,104	189,914	+7.2
Property Damage.	44,112	48,879	57,559	+17.8	341,457	384,324	465,897	+21.2

DRINKING DRIVERS IN PERCENT OF ALL DRIVERS INVOLVED IN ACCIDENTS

	18 - 20 YEARS				ALL AGES			
ACCIDENT TYPE	1983	1984	1985	84-85 % Change	1983	1984	1985	84-85 % Change
All.............	9.2	8.1	6.1	-2.0	8.0	7.2	6.0	-1.2
Fatal...........	48.7	37.0	26.8	-10.2	35.8	31.7	29.2	-2.5
Injury..........	13.6	12.1	9.7	-2.4	11.9	10.8	9.4	-1.4
Property Damage.	7.0	6.0	4.6	-1.4	6.1	5.4	4.5	-0.9

DRIVERS ARRESTED FOR OPERATING UNDER THE INFLUENCE
OF LIQUOR (O.U.I.L.)

	18 - 20 YEARS				ALL AGES			
ARRESTS	1983	1984	1985	84-85 % Change	1983	1984	1985	84-85 % Change
Total...........	6,396	8,276	6,795	-17.9	65,451	79,812	72,533	-9.1
Male............	5,635	7,224	5,893	-18.4	57,953	70,166	63,570	-9.4
Female..........	761	1,052	902	-14.3	7,498	9,646	8,963	-7.1

BREATH TESTING

Act No. 253, Public Acts of 1967, which became effective November 2, 1967, created "Implied Consent" in Michigan.

Under the National Highway Safety Act, the Federal government provided Michigan with financial assistance to purchase breath testing equipment and train officers in the use of the equipment. A training program was initiated with the cooperation of Michigan State University, Michigan Department of Public Health, Michigan Law Enforcement Officers Training Council, and the Michigan Department of State Police. Training consisted of a comprehensive 40-hour course which was conducted at Michigan State University.

Michigan State University ceased active participation in the program in October, 1978, and the Department of Public Health and Department of State Police continued to train officers, through cooperative efforts, at the Michigan State Police Training Academy and the Detroit Metropolitan Police Academy. Effective April 1, 1981, the Legislature delegated the responsibility of certifying all breathalyzer equipment and operators to the Department of State Police. All basic schools are now conducted by Michigan State Police personnel at the Michigan State Police Academy and at Regional Training Centers.

Police agencies from throughout Michigan participate in the program. Through December, 1985, 6,198 officers were trained. In addition to the initial training program, officers are required to be recertified biennially during one-day regional sessions to maintain their proficiency of operation and to keep abreast of the many changes in law and procedures. Currently there are nearly 2,300 active operators.

Initially, 246 breathalyzers and 248 simulators were received during the grant period. In 1979 an additional 156 breathalyzers were purchased and distributed to participating agencies. All units are maintained and serviced through a scheduled program by certified inspector-operators from the Michigan State Police and Detroit Police Department.

Test Results	Number of Tests	% of Total Tests	% of Arrests
.00 to .07	1,154	2.0	
.08 to .099	1,869	3.2	
.10 to .149	19,153	33.1	
.15 and over	35,647	61.7	
Total breath and blood tests**	57,823	100.0	79.7
Total tests refused*	14,710		20.3
Total persons arrested	72,533		100.0

*Based on refusal forms received by Department of State (includes information on certificates of conviction).

**Blood test results available as of April, 1983.

Blood-alcohol levels of .04 are definitely associated with increased accident involvement according to studies. When the alcohol level reaches .06, the probability of having an accident is twice that of the no-alcohol level, at .10 the probability is six times greater, and at .15 it is 25 times greater than if the driver were sober.

O.U.I.L. arrests decreased in 1985, 9.1 percent fewer than in 1984. In 1985 there were 13,272 arrests for drunk driving made at accident scenes.

1985 DRIVER INFORMATION

While the crash phase and post-crash phase are important for the prevention of injury and death in all age groups, the pre-crash phase is especially critical among young drivers. What are his attitudes, motivations, perceptions, and reactions behind the wheel in the critical minutes and seconds before the "point-of-no-escape"? Excessive speed and loss of control, etc., may occur at any age, but never more than among young drivers.

Effective October 6, 1980, legislation was passed which removed the requirement for a road test from students who had successfully completed a Driver Education Course.

Sex of Driver	Total	NUMBER OF DRIVERS Fatal	Injury	Prop. Damage
Male..............	436,540	1,695	120,999	313,846
Female............	221,460	494	68,915	152,051
TOTALS............	658,000	2,189	189,914	465,897

Age of Drivers	Fatal Accident Drivers 1984	1985	Percent Change	Percent 1985 Fatal Accident Involvement	*Percent Driving Population
16 years and under...	62	80	+29.0	3.7	2.2
17 years.............	73	69	-5.5	3.2	1.8
18 - 19 years........	184	170	-7.6	7.8	4.0
20 - 24 years........	384	408	+6.2	18.6	12.5
Group Sub-total.......	703	727	+3.4	33.3	20.5
25 - 34 years........	556	548	-1.4	25.0	25.9
35 - 44 years........	301	318	+5.6	14.5	18.7
45 - 54 years........	173	188	+8.7	8.6	12.1
55 - 64 years........	150	159	+6.0	7.3	11.6
65 - 74 years........	107	97	-9.3	4.4	7.6
75 years and over....	67	88	+31.3	4.0	3.6
Not Stated...........	58	64	+10.3	2.9	-
Group Sub-total.......	1,412	1,462	+3.5	66.7	79.5
TOTAL DRIVERS.........	2,115	2,189	+3.5	100.0	100.0

*Based on 1985 Secretary of State driver license data.

1981 - 1985 TOTAL PERSONS KILLED

Age of Person	1981	1982	1983	1984	1985
0 - 4 years.......	24	22	23	29	35
5 - 9 years.......	53	37	35	37	57
10 - 14 years.......	57	48	47	54	55
15 - 19 years.......	224	219	222	249	216
20 - 24 years.......	268	223	232	242	238
25 - 34 years.......	343	297	269	330	317
35 - 44 years.......	172	146	152	168	182
45 - 54 years.......	134	122	109	113	119
55 - 64 years.......	113	118	80	121	121
65 - 74 years.......	97	80	65	110	104
75 years and over...	96	100	95	101	124
Not Stated..........	8	5	2	2	1
TOTALS..............	1,589	1,417	1,331	1,556	1,569

RESIDENCE OF DRIVER

In approximately three out of four of all motor vehicle traffic accidents, and two out of three fatal accidents, one of the drivers was a local resident. This generally means he lived within 25 miles of the accident location.

Residence of Driver	Drivers, All Accidents		Drivers, Fatal Accidents		Drivers, Injury Accidents		Drivers, Property Damage Accidents	
	Number	% of Total	Number	% of Total	Number	% of Total	Number	% of Total
In County...........	479,477	72.9	1,511	69.0	142,953	75.3	335,013	71.9
Elsewhere in State..	119,193	18.1	520	23.7	34,756	18.3	83,917	18.0
Non-resident........	10,815	1.6	67	3.1	3,007	1.6	7,741	1.7
Not Stated..........	48,515	7.4	91	4.2	9,198	4.8	39,226	8.4
TOTALS..............	658,000		2,189		189,914		465,897	

ACCIDENT EXPERIENCE BY ROADWAY TYPE

The schedule below provides a detailed breakdown of estimated vehicle mileage, accidents, death rates (deaths per 100 million vehicle miles), and accident rates (accidents per 100 million vehicle miles) for the major roadway types in Michigan.

Statewide	*Estimated Mileage (Billions)	All Accidents	Deaths	Rates		
				Death Rate	Injury Accidents	Total Accidents
Limited access roadways...	18.3	29,122	151	0.83	48.2	159.1
U.S. & Michigan roads.....	18.5	97,896	499	2.70	147.7	529.2
County & local roads......	31.6	259,886	919	2.91	222.5	822.4
TOTALS....................	68.4	386,904	1,569	2.29	165.6	565.6

*1985 Michigan Department of Transportation figures.

OBJECTS HIT

Object Hit by Vehicle	% of Total Objects Hit	Total Objects Hit	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Rural Accidents	Urban Accidents
Guard rail or post	8.1	4,966	35	1,498	3,433	3,203	1,763
Highway sign	10.1	6,222	56	1,319	4,847	3,423	2,799
Street light, utility pole	12.8	7,903	60	3,222	4,621	2,701	5,202
Culvert	0.8	475	8	231	236	417	58
Ditch, embankment, str[illegible]	18.4	11,363	37	3,844	7,482	9,345	2,018
Bridge pier or abutment	0.7	445	10	184	251	208	237
Bridge rail or deck	0.7	429	5	153	271	271	158
Tree	15.7	9,708	120	4,357	5,231	7,119	2,589
Highway or railroad signal	0.6	390	4	121	265	133	257
Building	2.5	1,544	8	514	1,022	343	1,201
Mailbox	7.3	4,522	22	853	3,647	3,749	773
Fence	5.3	3,266	22	789	2,455	1,651	1,615
Traffic isle or curb	2.6	1,588	13	380	1,195	432	1,156
Concrete barrier in median	3.6	2,221	8	995	1,218	336	1,885
Other on-trafficway object	6.9	4,262	9	906	3,347	2,102	2,160
Other off-trafficway object	3.1	1,901	14	560	1,327	1,139	762
Overhead fixed object	0.5	323	0	24	299	122	201
Not known	0.3	160	1	101	58	51	109
TOTALS	100.0	61,688	432	20,051	41,205	36,745	24,943
PERCENT TOTALS		100.0	0.7	32.5	66.8	59.6	40.4

The above summary lists incidents in which a fixed object was struck, either as the primary object hit or as the secondary object hit (rebound).

REGISTRATION TRANSACTIONS
(includes Original, Renewal, Correction, and Replacements)

	VEHICLE						OTHER		
Counties	Passenger	Commercial	Trailer	Motorcycle	Total Plates	Total Revenue	Watercraft	Snowmobile	Off-Road
Alcona	5,948	2,498	1,599	250	10,295	$ 327,555.30	2,028	803	318
Alger	4,300	2,258	1,072	293	7,923	255,469.78	1,564	1,323	272
Allegan	44,656	17,050	9,173	2,650	73,529	2,876,727.55	8,632	3,160	881
Alpena	17,056	7,196	4,319	677	29,248	1,037,574.33	4,564	2,092	328
Antrim	9,671	3,626	2,437	535	16,269	535,102.47	4,048	1,342	186
Arenac	7,817	3,568	2,153	330	13,868	495,663.24	3,182	1,274	351
Baraga	3,894	1,924	808	167	6,793	223,026.01	876	659	293
Barry	24,407	9,525	5,587	1,673	41,192	1,284,449.52	7,429	2,631	516
Bay	66,055	18,068	14,667	2,789	101,579	3,799,143.97	10,420	6,790	2,760
Benzie	6,726	2,585	1,726	378	11,415	350,589.05	3,134	912	100
Berrien	92,793	26,295	14,061	4,401	137,550	4,895,506.75	13,241	3,425	657
Branch	20,831	8,363	5,310	1,326	35,830	1,336,354.39	6,201	1,748	297
Calhoun	78,375	20,559	12,810	4,007	115,751	3,874,678.50	11,200	2,992	742
Cass	25,648	10,013	4,950	1,456	42,067	1,397,873.50	8,713	2,389	323
Charlevoix	11,611	4,408	2,644	600	19,263	626,572.48	3,604	1,756	222
Cheboygan	11,728	4,766	3,086	640	20,220	664,095.44	4,534	2,686	463
Chippewa	13,381	6,171	3,520	621	23,693	849,118.36	4,684	3,581	632
Clare	12,800	5,577	3,366	598	22,341	746,389.93	3,534	1,974	303
Clinton	30,077	10,389	6,520	1,771	48,757	1,659,441.02	5,141	3,137	731
Crawford	5,441	2,387	1,417	227	9,472	307,048.09	2,499	1,127	494
Delta	20,567	8,865	5,181	1,083	35,696	1,230,424.71	4,300	3,143	1,455
Dickinson	14,672	6,361	3,700	767	25,500	966,535.04	2,979	1,786	1,005
Eaton	48,774	14,379	9,446	2,784	75,383	3,509,935.05	7,393	3,472	1,095
Emmet	14,330	5,343	2,828	676	23,177	838,445.41	4,202	1,804	263
Genesee	263,635	57,604	38,219	10,759	370,217	12,796,085.09	33,385	15,311	5,410
Gladwin	10,797	4,665	3,129	535	19,126	599,284.86	3,624	1,841	431
Gogebic	8,992	3,911	1,945	395	15,243	494,595.49	2,733	1,336	395
Gd. Traverse	37,245	11,116	8,143	1,675	58,179	2,053,669.87	9,657	3,316	1,025
Gratiot	20,990	7,775	5,019	1,245	35,029	1,332,477.85	2,973	1,879	655
Hillsdale	21,694	8,995	4,884	1,434	37,007	1,361,629.85	3,953	1,752	437
Houghton	15,882	5,449	2,378	747	24,456	827,874.83	2,785	1,831	279
Huron	20,[illegible]22	8,707	4,941	1,090	35,360	1,369,042.65	3,201	3,104	474
Ingham	158,914	33,743	19,061	7,378	219,096	8,256,040.60	16,401	4,803	1,827
Ionia	26,051	9,567	5,470	1,634	42,722	1,444,863.44	4,209	1,925	561
Iosco	16,409	5,716	4,084	821	27,030	897,789.08	4,967	2,116	650
Iron	7,199	3,736	1,860	320	13,115	452,189.12	2,490	1,166	455
Isabella	22,477	8,317	4,775	1,275	36,844	1,470,106.92	3,432	1,634	460
Jackson	81,308	22,539	13,501	3,943	121,291	4,298,660.54	13,939	4,373	[illegible]72
Kalamazoo	124,779	27,405	16,734	5,639	174,557	6,146,376.44	17,914	3,800	1,204
Kalkaska	6,442	3,824	2,092	407	12,765	695,778.27	2,047	1,197	218
Kent	286,093	65,167	45,295	12,537	409,092	16,708,878.88	38,040	11,634	4,131
Keweenaw	1,033	388	201	40	1,662	50,588.74	378	160	38
Lake	4,032	1,963	1,058	145	7,198	219,167.70	1,962	762	197
Lapeer	37,467	13,593	7,360	2,288	60,708	2,042,648.88	4,999	3,668	979
Leelanau	8,581	3,042	2,230	368	14,221	461,270.99	3,920	1,269	83
Lenawee	49,064	16,168	9,296	2,588	77,116	2,648,996.93	7,692	4,906	956
Livingston	59,894	16,435	9,884	2,798	89,011	2,945,478.20	10,853	4,635	918
Luce	2,973	1,608	1,105	111	5,797	214,660.62	1,394	867	244
Mackinac	5,170	2,477	1,411	276	9,334	303,268.50	3,114	1,919	314
Macomb	484,890	69,879	45,727	12,783	613,279	22,256,540.52	42,868	16,586	5,486
Manistee	12,507	4,751	2,903	572	20,733	720,201.60	3,167	1,062	342
Marquette	34,458	12,924	6,315	2,052	55,749	1,790,460.57	6,457	4,444	1,385
Mason	14,059	5,359	3,231	825	23,474	808,883.33	3,734	1,269	240
Mecosta	15,458	6,178	3,510	761	25,907	873,575.39	4,160	1,466	193
Menominee	13,471	5,690	3,508	798	23,467	878,658.08	2,598	1,625	603
Midland	44,898	10,819	9,321	2,068	67,106	2,122,237.46	8,255	2,746	1,234
Missaukee	5,619	3,068	1,626	263	10,576	376,909.74	1,679	1,008	70
Monroe	74,495	21,268	13,811	3,837	113,411	4,035,841.83	10,189	5,652	1,560
Montcalm	25,686	10,200	6,294	1,387	43,567	1,493,444.98	5,362	2,221	583
Montmorency	4,436	2,157	1,354	204	8,151	259,615.11	1,884	1,121	160
Muskegon	89,800	23,025	15,741	5,103	133,669	4,596,959.08	13,997	4,500	1,670
Newaygo	18,612	8,099	4,771	1,256	32,738	1,096,493.76	5,020	2,020	553
Oakland	715,184	107,511	64,775	18,784	906,254	33,644,031.58	66,790	25,712	6,769
Oceana	11,363	5,225	2,391	633	19,612	689,593.14	2,200	1,173	332
Ogemaw	9,342	4,642	2,708	440	17,132	660,781.29	2,833	1,708	277
Ontonagon	4,609	2,256	1,290	225	8,380	270,169.08	1,268	1,312	326
Osceola	10,097	4,656	2,369	510	17,632	626,878.37	1,996	1,294	226
Oscoda	4,093	2,052	1,165	191	7,501	247,135.75	1,619	904	203
Otsego	9,022	3,877	2,163	455	15,517	610,668.22	2,293	1,466	243
Ottawa	96,133	25,546	20,255	5,082	147,016	5,377,812.81	16,080	5,518	1,921
Presque Isle	7,131	3,513	1,994	312	12,950	447,986.04	2,378	1,518	285
Roscommon	11,251	4,054	3,122	439	18,866	592,909.57	5,513	3,575	409
Saginaw	128,532	28,997	21,609	4,427	183,565	6,543,589.51	16,909	9,506	2,761
St. Clair	79,425	21,237	12,246	3,383	116,291	4,095,422.36	12,539	5,179	1,146
St. Joseph	31,564	11,490	6,299	1,979	51,332	1,775,748.35	8,012	1,703	396
Sanilac	20,968	8,328	4,186	1,136	34,618	1,271,279.70	1,949	1,836	304
Schoolcraft	4,212	2,126	1,307	237	7,882	281,315.65	1,788	1,127	603
Shiawassee	38,644	12,926	7,550	2,249	61,369	2,097,608.19	5,007	3,474	985
Tuscola	29,652	12,302	7,744	1,715	51,413	1,805,614.94	4,423	4,371	1,338
Van Buren	34,502	12,957	6,043	1,893	55,395	1,841,363.50	7,326	1,704	388
Washtenaw	150,175	27,249	14,208	5,811	197,443	6,475,299.89	15,028	5,357	1,065
Wayne	1,259,235	174,772	99,225	29,349	1,562,581	61,444,850.53	81,056	20,658	7,299
Wexford	14,071	5,200	3,405	690	23,366	836,424.26	4,126	1,564	282
Non-Resident	33,871	12,955	15,454	230	62,510	9,543,277.23	26,350	3,189	853
Unknown County	–	–	–	–	–	–	6,213	746	793
TOTALS	5,430,766	1,223,372	756,075	203,226	7,613,439		731,230	287,524	81,283

ANNUAL REPORT

- There were **1,569** persons killed and **157,417** persons injured in **386,904** reported motor vehicle traffic accidents in Michigan during 1985. Compared with 1984 experience, deaths increased **0.8** percent, injuries increased **4.4** percent, and total reported accidents showed a **15.4** percent increase.
- This year's deaths were the highest since 1981.
- Some exposure factor comparisons between 1985 and 1984 show motor vehicle registrations rose **5.4** percent, vehicle mileage rose **4.1** percent, and licensed drivers increased **1.0** percent.
- Even with the increase in exposure factors in 1985, the death rate of **2.29** per 100 million vehicle miles of travel showed a decrease from the 1984 death rate of 2.37.
- Urban deaths increased **7.8** percent, injuries increased **4.9** percent, and total accidents increased **16.3** percent as compared to 1984.
- Rural deaths decreased **2.3** percent, injuries increased **3.7** percent, and total accidents increased **14.1** percent as compared to 1984.
- Urban areas accounted for **60** percent of all accidents and **33** percent of all traffic deaths.
- Rural areas accounted for **40** percent of all accidents and **67** percent of all traffic deaths.
- Rural areas accounted for **40** percent of all injuries while **60** percent were in urban areas.
- Pedestrian deaths increased by **1** person over the 1984 figure. Rural pedestrian deaths were down **21** from 1984 figures and urban pedestrian deaths were up a total of **22** persons.

MOTOR VEHICLE TRAFFIC ACCIDENTS IN MICHIGAN

PERIOD YEAR - 1985

Compiled by the Michigan State Police

Col. Gerald L. Hough, Director

SUMMARY OF ALL REPORTED ACCIDENTS

SUMMARY INCLUDES INFORMATION AVAILABLE ____________

STATEWIDE

TOTAL ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		TOTAL	FATAL	INJURY	P.D.	TOTAL OCCUP.	KILLED	INJURED	NOT INJURED	INJURED			ACCIDENTS	KILLED	INJURED
										A	B	C			
	1. OVERTURNED	11373	109	6507	4757	17280	114	8558	8608	1748	3542	3268	11373	114	8558
	2. OTHER NON COLLISION	2356	10	682	1664	4123	10	751	3362	196	334	221	2356	10	751
COLLISION WITH:	3. PEDESTRIAN	4398	229	4018	151	11118	234	4313	6571	1477	1527	1309	4398	234	4313
	4. M.V. IN TRANSPORT	249909	641	71821	177447	781725	746	114759	666220	13092	27665	74002	249909	746	114759
	5. M.V.-OTHER ROADWAY	157	4	62	91	522	9	115	398	32	32	51	157	9	115
	6. PARKED M.V.	31652	31	2834	28787	41868	33	3561	38274	499	1410	1652	31652	33	3561
	7. RAILROAD TRAIN	302	28	121	153	461	35	176	250	60	63	53	302	35	176
	8. PEDALCYCLIST	4367	44	3666	657	10806	46	3859	6901	721	1876	1262	4367	46	3859
	9. ANIMAL	28754	5	758	27991	46446	5	880	45561	126	311	443	28754	5	880
	10. FIXED OBJECT	51976	305	15729	35942	76591	332	20119	56140	4069	8212	7838	51976	332	20119
	11. OTHER OBJECT	1660	5	240	1415	2677	5	326	2346	44	125	57	1660	5	326
	TOTALS	386904	1411	106438	279055	993617	1569	157417	834631	22064	45097	90256	386904	1569	157417

ON ROADWAY ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		TOTAL	FATAL	INJURY	P.D.	TOTAL OCCUP.	KILLED	INJURED	NOT INJURED	INJURED			ACCIDENTS	KILLED	INJURED
										A	B	C			
	1. OVERTURNED	2094	22	1513	559	2951	23	1850	1078	401	969	520	2094	23	1850
	2. OTHER NON-COLLISION	1891	8	565	1318	3443	8	620	2815	170	273	177	1891	8	620
COLLISION WITH:	3. PEDESTRIAN	4205	224	3836	145	10625	228	4099	6298	1414	1443	1242	4205	228	4099
	4. M.V. IN TRANSPORT	249467	638	71688	177141	780354	742	114512	665100	13029	27608	73875	249467	742	114512
	5. M.V.-OTHER ROADWAY	157	4	62	91	522	9	115	398	32	32	51	157	9	115
	6. PARKED M.V.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7. RAILROAD TRAIN	299	28	120	151	455	35	173	247	60	60	53	299	35	173
	8. PEDALCYCLIST	4254	42	3570	642	10534	44	3758	6732	710	1829	1219	4254	44	3758
	9. ANIMAL	28672	5	741	27926	46319	5	860	45454	124	304	432	28672	5	860
	10. FIXED OBJECT	2026	13	437	1576	2967	13	525	2429	100	221	204	2026	13	525
	11. OTHER OBJECT	1553	2	214	1337	2514	2	294	2218	40	109	145	1553	2	294
	TOTALS	294618	986	82746	210886	860684	1109	126806	732769	16080	32808	77918	294618	1109	126806

OFF ROADWAY ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		TOTAL	FATAL	INJURY	P.D.	TOTAL OCCUP.	KILLED	INJURED	NOT INJURED	INJURED A	INJURED B	INJURED C	ACCIDENTS	KILLED	INJURED
	1. OVERTURNED	9279	87	4994	4198	14329	91	6708	7530	1347	2613	2748	9279	91	6708
	2. OTHER NON-COLLISION	465	2	117	346	680	2	131	547	26	61	44	465	2	131
COLLISION WITH:	3. PEDESTRIAN	193	5	182	6	493	6	214	273	63	84	67	193	6	214
	4. M.V. IN TRANSPORT	442	3	133	306	1371	4	247	1120	63	57	127	442	4	247
	5. M.V.-OTHER ROADWAY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6. PARKED M.V.	31652	31	2834	28787	41868	33	3561	38274	499	1410	1652	31652	33	3561
	7. RAILROAD TRAIN	3	0	1	2	6	0	3	3	0	3	0	3	0	3
	8. PEDALCYCLIST	113	2	96	15	272	2	101	169	11	47	43	113	2	101
	9. ANIMAL	82	0	17	65	127	0	20	107	2	7	11	82	0	20
	10. FIXED OBJECT	49950	292	15292	34366	73624	319	19594	53711	3969	7991	7634	49950	319	19594
	11. OTHER OBJECT	107	3	26	78	163	3	32	128	4	16	12	107	3	32
	TOTALS	92286	425	23692	68169	132933	460	30611	101862	5984	12289	12338	92286	460	30611

ROAD SURFACE	NUMBER OF ACCIDENTS			
	TOTAL	FATAL	INJURY	P.D.
DRY	218219	958	64030	153231
WET	84408	257	24462	59689
SNOWY/ICY	81407	180	17215	64012
OTHER	2870	16	731	2123
TOTAL	386904	1411	106438	279055

LIGHT CONDITION	NUMBER OF ACCIDENTS			
	TOTAL	FATAL	INJURY	P.D.
DAYLIGHT	242060	652	67488	173920
DAWN/DUSK	18482	55	4512	13915
DARKNESS/LIGHTS	44084	261	14071	29752
DARKNESS/NO LIGHTS	80840	439	20160	60241
NOT STATED	1438	4	207	1227
TOTAL	386904	1411	106438	279055

AGE	NUMBER OF PERSONS KILLED									
	TOTAL	MALE	FEMALE	DRIVER	PASS.	PED.	PEDAL/ CYCLE	M/CYCLE	FARM	OTHER
0 - 4	35	21	14	0	27	6	1	0	0	1
5 - 9	57	31	26	0	16	26	13	0	1	1
10 - 14	55	34	21	6	21	16	11	1	0	0
15 - 19	216	143	73	87	71	25	6	25	0	2
20 - 24	238	189	49	122	52	18	3	40	0	3
25 - 34	317	264	53	169	51	42	4	49	0	2
35 - 44	182	120	62	103	22	33	3	16	1	4
45 - 54	119	77	42	71	24	13	0	6	1	4
55 - 64	121	77	44	63	25	24	3	4	0	2
65 - 74	104	55	49	44	39	18	2	0	0	1
75 & Over	124	67	57	59	35	29	0	1	0	0
Not Stated	1	1	0	0	0	1	0	0	0	0
TOTAL	1569	1079	490	724	383	251	46	142	3	20

CODE OF INJURY

A INCAPACITATING INJURY

Any injury other than fatal which prevents normal activities and generally requires hospitalization.

B NON-INCAPACITATING INJURY

Any injury not incapacitating but evident to others at the scene.

C POSSIBLE INJURY

No visible injury but complaint of pain or momentary inconsciousness.

AGE	NUMBER OF PERSONS INJURED									
	TOTAL	MALE	FEMALE	DRIVER	PASS.	PED.	PEDAL/ CYCLE	M/CYCLE	FARM	OTHER
0 - 4	2970	1579	1391	1	2619	265	61	10	0	14
5 - 9	4712	2546	2166	10	3361	700	576	37	2	26
10 - 14	6605	3437	3168	152	4036	668	1318	355	9	67
15 - 19	27601	14450	13151	14313	10075	621	814	1586	14	178
20 - 24	27032	15035	11997	17510	6698	466	356	1798	12	192
25 - 34	35059	18602	16457	24859	7028	703	364	1798	17	290
35 - 44	20824	10149	10675	15453	3889	420	118	734	12	198
45 - 54	11726	5560	6166	8449	2594	251	65	258	5	104
55 - 64	9717	4492	5225	6757	2528	213	42	88	9	80
65 - 74	5604	2453	3151	3638	1738	149	23	31	3	22
75 & Over	2914	1275	1639	1658	1097	127	11	4	3	14
Not Stated	2653	1386	1267	1467	922	80	37	96	1	50
TOTAL	157417	80964	76453	9427	46585	4663	3785	6795	87	1235

TS-1 (PART 1)

STATEWIDE

MUNICIPALITIES	NUMBER OF PERSONS											THIS YEAR TO DATE			
	TOTAL OCCUP.	KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		TOTAL	ON ROADWAY	OFF ROADWAY	TOTAL	ON ROADWAY	OFF ROADWAY	A	B	C	NOT INJURED	KILLED	INJURED	KILLED	INJURED
1. TOWNSHIPS	344202	1008	672	336	60006	41211	18795	11135	19309	29562	283188	672	41211	336	18795
2. UNDER 1,000	7121	14	10	4	951	740	211	168	337	446	6156	10	740	4	211
3. 1,000 - 2,500	19894	23	15	8	2105	1735	370	352	704	1049	17766	15	1735	8	370
4. 2,500 - 5,000	29028	17	12	5	3536	3085	451	485	1017	2034	25475	12	3085	5	451
5. 5,000 - 10,000	35092	17	14	3	4320	3728	592	600	1427	2293	30755	14	3728	3	592
6. 10,000 - 25,000	73576	65	54	11	9809	8541	1268	1189	2797	5823	63702	54	8541	11	1268
7. 25,000 - 50,000	109536	97	76	21	15379	13562	1817	1825	4232	9322	94060	76	13562	21	1817
8. 50,000 - 100,000	129828	87	74	13	20339	18070	2269	2084	5328	12927	109402	74	18070	13	2269
9. 100,000 - 250,000	109716	80	61	19	15994	14122	1872	1647	4489	9858	93642	61	14122	19	1872
10. 250,000 OR MORE	135624	161	121	40	24978	22012	2966	2579	5457	16942	110485	121	22012	40	2966
TOTALS	993617	1569	1109	460	157417	126806	30611	22064	45097	90256	834631	1109	126806	460	30611

MUNICIPALITIES	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D	TOTAL	FATAL	INJURY	P.D.
1. TOWNSHIPS	145309	887	39622	104800	102495	579	25339	76577	42814	308	14283	28223	145309	887	39622	104800
2. UNDER 1,000	2755	13	651	2091	1889	9	482	1398	866	4	169	693	2755	13	651	2091
3. 1,000 - 2,500	7522	20	1533	5969	5577	13	1242	4322	1945	7	291	1647	7522	20	1533	5969
4. 2,500 - 5,000	10831	17	2488	8326	8503	12	2131	6360	2328	5	357	1966	10831	17	2488	8326
5. 5,000 - 10,000	13105	17	3011	10077	9961	14	2543	7404	3144	3	468	2673	13105	17	3011	10077
6. 10,000 - 25,000	27683	58	6863	20762	21772	48	5860	15864	5911	10	1003	4898	27683	58	6863	20762
7. 25,000 - 50,000	40653	90	10693	29870	32457	71	9225	23161	8196	19	1468	6709	40653	90	10693	29870
8. 50,000 - 100,000	47302	82	13992	33228	38516	69	12167	26280	8786	13	1825	6948	47302	82	13992	33228
9. 100,000 - 250,000	40739	77	11179	29483	32850	59	9648	23143	7889	18	1531	6340	40739	77	11179	29483
10. 250,000 OR MORE	51005	150	16406	34449	40598	112	14109	26377	10407	38	2297	8072	51005	150	16406	34449
TOTALS	386904	1411	106438	279055	294618	986	82746	210886	92286	425	23692	68169	386904	1411	106438	279055

CLASS OF TRAFFICWAY	NUMBER OF PERSONS											THIS YEAR TO DATE			
	TOTAL OCCUP.	KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		TOTAL	ON ROADWAY	OFF ROADWAY	TOTAL	ON ROADWAY	OFF ROADWAY	A	B	C	NOT INJURED	KILLED	INJURED	KILLED	INJURED
1. INTERSTATE SYSTEM	56372	120	73	47	9960	6733	3227	1459	2827	5674	46292	73	6733	47	3227
2. OTHER FULL CONTROL	14757	31	13	18	2835	1994	841	391	639	1805	11891	13	1994	18	841
3. OTHER U.S. ROUTE	75812	150	130	20	11624	10055	1569	1622	3041	6961	64038	130	10055	20	1569
4. OTHER STATE M ROUTES	195554	349	295	54	30421	26858	3563	4197	8144	18080	164784	295	26858	54	3563
5. OTHER MAJOR ART'L.	35400	29	25	4	4848	4481	367	624	1345	2879	30523	25	4481	4	367
6. COUNTY ROADS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. LOCAL STREETS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. OTHER TRAFFICWAYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. LOCAL ROADS—N.K.	615722	890	573	317	97729	76685	21044	13771	29101	54857	517103	576	76685	317	21044
TOTALS	993617	1569	1109	460	157417	126806	30611	22064	45097	90256	834631	1109	126806	460	30611

CLASS OF TRAFFICWAY	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D
1. INTERSTATE SYSTEM	23223	98	6857	16268	15896	55	4358	11483	7327	43	2499	4785	23223	98	6857	16268
2. OTHER FULL CONTROL	5899	29	1955	3915	4124	12	1301	2811	1775	17	654	1104	5899	29	1955	3915
3. OTHER U.S. ROUTE	27329	119	7472	19738	23090	101	6252	16737	4239	18	1220	3001	27329	119	7472	19738
4. OTHER STATE M ROUTES	70567	315	19857	50395	61167	265	17114	43788	9400	50	2743	6607	70567	315	19857	50395
5. OTHER MAJOR ART'L.	12076	28	3272	8776	10715	24	2984	7707	1361	4	288	1069	12076	28	3272	8776
6. COUNTY ROADS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. LOCAL STREETS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. OTHER TRAFFICWAYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. LOCAL ROADS – N.K.	247810	822	67025	179963	179626	529	50737	128360	68184	293	16288	51603	247810	822	67025	179963
TOTALS	386904	1411	106438	279055	294618	986	82746	210886	92286	425	23692	68169	396904	1411	106438	279055

PEDESTRIAN ACCIDENTS	ALL ACCIDENTS			FATAL			INJURY			PROPERTY DAMAGE		
	TOTAL	AT INTER.	NOT AT INTER.	TOTAL	AT INTER.	NOT AT INTER.	TOTAL	AT INTER.	NOT AT INTER.	TOTAL	AT INTER.	NOT AT INTER.
1. CAR GOING STRAIGHT	3612	1524	2088	218	55	163	3264	1414	1850	130	55	75
2. CAR TURNING STRAIGHT	214	189	25	1	0	1	208	185	23	5	4	1
3. CAR TURNING LEFT	299	249	50	6	6	0	284	236	48	9	7	2
4. CAR BACKING	153	45	108	2	1	1	149	44	105	2	0	2
5. ALL OTHERS	88	21	67	1	0	1	84	20	64	3	1	2
6. NOT STATED	32	15	17	1	0	1	29	14	15	2	1	1
TOTALS	4398	2043	2355	229	62	167	4018	1913	2105	151	68	83

PEDESTRIAN ACTIONS BY AGE	PEDESTRIANS KILLED	AGE OF PEDESTRIANS KILLED AND INJURED									
		TOTAL	0 TO 4	5 TO 9	10 TO 14	15 TO 19	20 TO 24	25 TO 44	45 TO 64	65 & OLDER	NOT STATED
1a. CROSSING AT INTERSECTION OR IN CROSSWALK	51	1736	65	255	269	211	147	416	199	152	22
1b. CROSSING NOT AT INTERSECTION OR IN CROSSWALK	96	1487	166	393	240	145	86	232	107	92	26
2a. WALKING IN ROADWAY – WITH TRAFFIC	25	275	2	6	45	69	47	78	16	10	2
2b. WALKING IN ROADWAY – AGAINST TRAFFIC	3	66	0	3	12	15	8	20	4	2	2
3 . STANDING IN ROADWAY	12	237	4	11	14	34	35	93	25	12	9
4 . PUSHING OR WORKING ON VEHICLE IN ROADWAY	4	128	1	0	3	22	24	59	15	4	0
5 . OTHER WORKING IN ROADWAY	1	47	0	0	1	2	4	26	11	0	3
6 . PLAYING IN ROADWAY	1	56	10	17	20	6	0	2	0	0	1
7 . OTHER IN ROADWAY	24	275	4	9	30	45	50	87	29	16	5
8 . NOT IN ROADWAY	18	487	13	27	42	74	71	145	79	27	9
9 . NOT STATED	16	120	6	5	8	23	12	40	16	8	2
TOTALS	251	4914	271	726	684	646	484	1198	501	323	81

TS-1 (PART 2)

STATEWIDE

	TWO MOTOR VEHICLE ACCIDENTS	TOTAL	FATAL	INJURY	P.D.
AT INTERSECTION	1. ENTERING AT ANGLE	57257	174	18701	38382
	2a. FROM SAME DIRECTION (both going straight)	13344	5	2610	10729
	2b. SAME – ONE TURN, ONE STRAIGHT	12483	4	7346	10133
	2c. SAME–ONE STOPPED	30284	5	9815	20464
	2d. SAME–ALL OTHERS	2879	0	211	2668
	3a. FROM OPP. DIRECTION (both going straight)	2909	24	1038	1847
	3b. SAME–ONE LEFT TURN, ONE STRAIGHT	16650	45	6584	10021
	3c. SAME–ALL OTHERS	555	1	124	430
	4. NOT STATED	7253	6	650	6597
	TOTALS	143614	264	42079	101271

	TWO MOTOR VEHICLE ACCIDENTS	TOTAL	FATAL	INJURY	P.D.
NOT AT INTERSECTION	1. GOING OPP. DIRECTION (both going straight)	10602	246	3828	6528
	2. GOING SAME DIRECTION (both moving)	32170	48	7674	24448
	3a. ONE CAR PARKED	24399	25	2184	22190
	3b. ONE CAR STOPPED IN TRAFFIC	24839	26	8598	16215
	4a. ONE CAR ENTERING PARKED POS.	207	0	29	178
	4b. ONE CAR LEAVING PARKED POS.	2010	1	210	1799
	5a. ONE CAR ENTER. DRIVEWAY ACCESS	17931	37	5029	12865
	5b. ONE CAR LEAVING DRIVEWAY ACCESS	22848	27	4398	18423
	6. ALL OTHERS/NOT STATED	3098	2	688	2408
	TOTALS	138104	412	32638	105054

		ALL OTHER ACCIDENTS	TOTAL	FATAL	INJURY	P.D.
AT INTER.	COLLISION WITH	1. OTHER ROAD VEH., OR RR TRAIN	2655	18	2189	448
		2. FIXED OBJECT	12330	47	3389	8894
		3. OTHER OBJECT OR ANIMAL	1183	0	94	1089
		4. OVERTURNING	1427	8	962	457
		5. OTHER NONCOLLISION	553	1	236	316
NOT AT INTER.	COLLISION WITH	6. OTHER ROAD VEH., OR RR TRAIN	2014	54	1598	362
		7. FIXED OBJECT	39646	258	12340	27048
		8. OTHER OBJECT OR ANIMAL	29231	10	904	28317
		9. OVERTURNING	9946	101	5545	4300
		10. OTHER NONCOLLISION	1798	9	444	1345
		11. NOT STATED	5	0	2	3
		TOTALS	100788	506	27703	72579

HAZARDOUS ACTION *	NUMBER OF TRAFFIC UNITS			
	TOTAL	FATAL	INJURY	P.D.
1. NO VIOLATION	315016	1095	92982	220939
2. SPEED TOO FAST	42952	388	15303	27261
3. SPEED TOO SLOW	265	1	104	160
4. DISREGARD CONTROL/ROW	88353	408	32638	55307
5. WRONG WAY	709	13	292	404
6. LEFT CENTER/IMPROPER PASS/LANE	39842	237	8007	31598
7. IMPROPER TURN/SIGNAL	16462	19	3622	12821
8. IMPROPER BACKING/START	19932	6	1094	18832
9. FOLLOWING/UNABLE TO STOP	127388	264	39520	87604
10. OTHER/NOT KNOWN	16654	75	4774	11805
11.				
12.				
13.				
14.				
TOTALS	667573	2506	198336	466731

CONTRIBUTING CIRCUMSTANCE *	NUMBER OF TRAFFIC UNITS			
	TOTAL	FATAL	INJURY	P.D.
1. NONE	299401	1010	88576	209815
2. OUIL/DRUGS	12781	390	5854	6537
3. RECKLESS/CARELESS	8958	98	4715	4145
4. INATTENTION/III/ETC.	3638	16	1503	2119
5. VIOLATION LICENSE RESTRICTION	64	0	16	48
6. OBSCURED VISION	6027	27	1905	4095
7. DEFECTIVE EQUIPMENT	4483	15	1421	3047
8. LOST CONTROL/LOAD/WIND	305	1	83	221
9. SKIDDING	21727	67	5646	16014
10. OTHER/NOT KNOWN	310189	882	88617	220690
11.				
12.				
13.				
14.				
TOTALS	667573	2506	198336	466731

* Includes pedestrians and drivers

MANNER OF TWO MOTOR VEHICLE COLLISION	TOTAL	FATAL	INJURY	P.D.
1. HEAD ON	12025	265	4455	7305
2. REAR END	38449	49	9013	29387
3. SIDESWIPE - MEETING	659	0	170	489
4. SIDESWIPE - PASSING	2910	0	372	2538
5. ANGLE	37666	152	14490	23024
6. BACKED INTO	5742	2	346	5394
7. ALL OTHERS	184131	208	45835	138088
8. NOT STATED	136	0	36	100
TOTALS	281718	676	74717	206325

TYPE OF VEHICLE	TOTAL	FATAL	INJURY	P.D.
1. PASSENGER CAR	506552	1487	150270	354795
2. PASSENGER CAR AND TRAILER	2149	8	566	1575
3. TRUCK OR TRUCK TRACTOR	92579	367	22920	69292
4. TRUCK TRACTOR AND SEMI-TRAILER	8249	99	2000	6150
5. OTHER TRUCK COMBINATION	3012	14	648	2350
6. FARM TRACTOR AND/OR FARM EQUIP.	429	5	151	273
7. BUS	1283	4	381	898
8. SCHOOL BUS	1681	3	322	1356
9. MOTORCYCLE/MOTOR SCOOTER	7547	144	6181	1222
10. OTHER/NOT STATED	35305	61	6561	28683
TOTALS	658786	2192	190000	466594

DRINKING CONDITION DRIVERS	NUMBER OF DRIVERS			
	TOTAL	FATAL	INJURY	P.D.
1. HAD BEEN DRINKING	39685	639	17935	21111
2. NOT KNOWN IF DRINKING	64409	93	12879	51437
3. HAD NOT BEEN DRINKING	553906	1457	159100	393349
TOTALS	658000	2189	189914	465897

DRINKING IN ACCIDENT	NUMBER OF ACCIDENTS			
	TOTAL	FATAL	INJURY	P.D
1. HAD BEEN DRINKING	38536	645	17377	20514
2. NOT KNOWN IF DRINKING	24989	25	3327	21637
3. HAD NOT BEEN DRINKING	323379	741	85734	236904
TOTALS	386904	1411	106438	279055

DRINKING CONDITION PEDESTRIAN	NUMBER OF PEDESTRIANS			
	TOTAL	FATAL	INJURY	P.D.
1. HAD BEEN DRINKING	254	72	178	4
2. NOT KNOWN IF DRINKING	4024	52	3823	149
3. HAD NOT BEEN DRINKING	828	147	672	9
TOTALS	5106	271	4673	162

TS-1 (PART 3)

AGE OF DRIVER	NUMBER OF SRIVERS			
	TOTAL	FATAL	INJURY	P.D.
1. 15 AND YOUNGER	2232	15	1239	978
2. 16	19108	65	5759	13284
3. 17	23171	69	6929	16173
4. 18 TO 19	50001	170	14895	34936
5. 20 TO 24	111077	408	33734	76935
6. 25 TO 34	156874	548	47231	109095
7. 35 TO 44	97271	318	28878	68075
8. 45 TO 54	55064	188	16187	38689
9. 55 TO 64	43713	159	12940	30614
10. 65 TO 74	24181	97	7043	17041
11. 75 AND OLDER	11414	88	3314	8012
12. NOT STATED *	63894	64	11765	52065
TOTALS	658000	2189	189914	465897
H & R DRIVERS (Not Apprehended)	0	0	0	0

* Includes Hit & Run Drivers

SEX OF DRIVER	TOTAL	FATAL	INJURY	P.D.
1. MALE	436540	1695	120999	313846
2. FEMALE	221460	494	68915	152051
TOTALS	658000	2189	189914	465897

RESIDENCE OF DRIVER	TOTAL	FATAL	INJURY	P.D.
1. LOCAL RESIDENT	479477	1511	142953	335013
2. RESIDING ELSEWHERE	119193	520	34756	83917
3. NON RESIDENT	10815	67	3007	7741
4. NOT STATED	48515	91	9198	39226
TOTALS	658000	2189	189914	465897
DRIVERLESS MOVING	786	3	86	697

MILEAGE RATES	THIS YEAR TO DATE	LAST YEAR SAME PERIOD	PERCENT CHANGE
1. Motor Vehicle Traffic Deaths			%
2. Estimated Motor Veh. Mileage Traveled (billions)			%
3. Death Rate Per 100-Million-Vehicle-Miles			%
4. Fatal Accident Rate Per 100-Million-Vehicle-Miles			%

MOTOR VEHICLE TRAFFIC ACCIDENTS IN MICHIGAN

PERIOD YEAR - 1985

Compiled by the Michigan State Police

Col. Gerald L. Hough, Director

SUMMARY OF ALL REPORTED ACCIDENTS

SUMMARY INCLUDES INFORMATION AVAILABLE ____________

URBAN

TOTAL ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		TOTAL	FATAL	INJURY	P.D.	TOTAL OCCUP.	KILLED	INJURED	NOT INJURED	INJURED A	INJURED B	INJURED C	ACCIDENTS	KILLED	INJURED
	1. OVERTURNED	1933	17	1329	587	2811	18	1680	1113	333	785	562	1933	18	1680
	2. OTHER NON-COLLISION	886	6	275	605	1570	6	303	1261	72	130	101	886	6	303
COLLISION WITH:	3. PEDESTRIAN	3424	138	3169	117	8549	142	3356	5051	1095	1181	1080	3424	142	3356
	4. M.V. IN TRANSPORT	173724	199	48553	124972	535151	220	75429	459502	6636	16755	52038	173724	220	75429
	5. M.V.-OTHER ROADWAY	87	0	32	55	291	0	54	237	3	20	31	87	0	54
	6. PARKED M.V.	26203	20	2244	23939	34305	20	2750	31535	338	1115	1297	26203	20	2750
	7. RAILROAD TRAIN	150	8	57	85	221	8	76	137	28	26	22	150	8	76
	8. PEDALCYCLIST	3343	17	2809	517	8211	18	2935	5258	475	1445	1015	3343	18	2935
	9. ANIMAL	866	0	52	814	1315	0	60	1255	8	28	24	866	0	60
	10. FIXED OBJECT	20006	85	5990	13931	28905	91	7541	21273	1396	3199	2946	20006	91	7541
	11. OTHER OBJECT	696	1	122	573	1071	1	171	899	25	63	83	696	1	171
	TOTALS	231318	491	64632	166195	622400	524	94355	527521	10409	24747	59199	231318	524	94355

ON ROADWAY ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		TOTAL	FATAL	INJURY	P.D.	TOTAL OCCUP.	KILLED	INJURED	NOT INJURED	INJURED A	INJURED B	INJURED C	ACCIDENTS	KILLED	INJURED
	1. OVERTURNED	834	11	637	186	1164	12	772	380	155	410	207	834	12	772
	2. OTHER NON-COLLISION	780	5	252	523	1413	5	276	1132	68	122	86	780	5	276
COLLISION WITH:	3. PEDESTRIAN	3295	137	3043	115	8228	141	3213	4874	1057	1121	1035	3295	141	3213
	4. M.V. IN TRANSPORT	173514	199	48496	124819	534516	220	75342	458954	6624	16735	51983	173514	220	75342
	5. M.V.-OTHER ROADWAY	87	0	32	55	291	0	54	237	3	20	31	87	0	54
	6. PARKED M.V.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7. RAILROAD TRAIN	148	8	57	83	218	8	76	134	28	26	22	148	8	76
	8. PEDALCYCLIST	3256	16	2736	504	8001	17	2858	5126	468	1406	984	3256	17	2858
	9. ANIMAL	862	0	52	810	1311	0	60	1251	8	28	24	862	0	60
	10. FIXED OBJECT	1233	9	269	955	1733	9	316	1408	58	131	127	1233	9	316
	11. OTHER OBJECT	648	0	109	539	995	0	153	842	23	54	76	648	0	153
	TOTALS	184657	385	55683	128589	557870	412	83120	474338	8492	20053	54575	184657	412	83120

OFF ROADWAY ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		TOTAL	FATAL	INJURY	P.D.	TOTAL OCCUP.	KILLED	INJURED	NOT INJURED	INJURED A	INJURED B	INJURED C	ACCIDENTS	KILLED	INJURED
	1. OVERTURNED	1099	6	692	401	1647	6	908	733	178	375	355	1099	6	908
	2. OTHER NON-COLLISION	106	1	23	82	157	1	27	129	4	8	15	106	1	27
COLLISION WITH:	3. PEDESTRIAN	129	1	126	2	321	1	143	177	38	60	45	129	1	143
	4. M.V. IN TRANSPORT	210	0	57	153	635	0	87	548	12	20	55	210	0	87
	5. M.V.-OTHER ROADWAY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6. PARKED M.V.	26203	20	2244	23939	34305	20	2750	31535	338	1115	1297	26203	20	2750
	7. RAILROAD TRAIN	2	0	0	2	3	0	0	3	0	0	0	2	0	0
	8. PEDALCYCLIST	87	1	73	13	210	1	77	132	7	39	31	87	1	77
	9. ANIMAL	4	0	0	4	4	0	0	4	0	0	0	4	0	0
	10. FIXED OBJECT	18773	76	5721	12976	27172	82	7225	19865	1338	3068	2819	18773	82	7225
	11. OTHER OBJECT	48	1	13	34	76	1	18	57	2	9	7	48	1	18
	TOTALS	46661	106	8949	37606	64530	112	11235	53183	1917	4694	4624	46661	112	11235

ROAD SURFACE	NUMBER OF ACCIDENTS			
	TOTAL	FATAL	INJURY	P.D.
DRY	132337	330	39859	92148
WET	55473	113	16241	39119
SNOWY/ICY	42120	42	8250	33828
OTHER	1388	6	282	1100
TOTAL	231318	491	64632	166195

LIGHT CONDITION	NUMBER OF ACCIDENTS			
	TOTAL	FATAL	INJURY	P.D.
DAYLIGHT	156860	211	42443	114206
DAWN/DUSK	9032	14	2441	6577
DARKNESS/LIGHTS	38170	205	12189	25776
DARKNESS/NO LIGHTS	26256	61	7426	18769
NOT STATED	1000	0	133	867
TOTAL	231318	491	64632	166195

AGE	NUMBER OF PERSONS KILLED									
	TOTAL	MALE	FEMALE	DRIVER	PASS.	PED.	PEDAL/ CYCLE	M/CYCLE	FARM	OTHER
0 - 4	14	8	6	0	10	3	1	0	0	0
5 - 9	20	13	7	0	2	15	3	0	0	0
10 - 14	19	13	6	1	6	6	6	0	0	0
15 - 19	67	42	25	22	23	10	1	11	0	0
20 - 24	73	54	19	27	17	12	1	16	0	0
25 - 34	91	75	16	41	10	27	1	12	0	0
35 - 44	69	49	20	31	8	21	2	6	0	1
45 - 54	33	24	9	15	5	10	0	3	0	0
55 - 64	51	33	18	21	6	19	2	1	0	2
65 - 74	31	19	12	12	7	11	1	0	0	0
75 & Over	55	29	26	19	17	18	0	1	0	0
Not Stated	1	1	0	0	0	1	0	0	0	0
TOTAL	524	360	164	189	111	153	18	50	0	3

CODE OF INJURY

A INCAPACITATING INJURY

Any injury other than fatal which prevents normal activities and generally requires hospitalization.

B NON-INCAPACITATING INJURY

Any injury not incapacitating but evident to others at the scene.

C POSSIBLE INJURY

No visible injury but complaint of pain or momentary inconsciousness.

AGE	NUMBER OF PERSONS INJURED									
	TOTAL	MALE	FEMALE	DRIVER	PASS.	PED.	PEDAL/ CYCLE	M/CYCLE	FARM	OTHER
0 - 4	1818	952	866	0	1541	213	47	6	0	11
5 - 9	2959	1604	1355	0	1967	552	407	18	0	15
10 - 14	3866	2009	1857	47	2158	499	971	173	1	17
15 - 19	14123	7168	6955	6944	5153	437	641	876	0	72
20 - 24	15860	8314	7546	10192	3986	353	299	937	1	92
25 - 34	22023	11120	10903	15622	4479	545	300	911	0	166
35 - 44	12954	6179	6775	9647	2403	338	95	354	0	117
45 - 54	7348	3399	3949	5310	1624	193	52	108	0	61
55 - 64	6281	2875	3406	4439	1557	168	28	38	1	50
65 - 74	3609	1581	2028	2374	1075	117	19	13	0	11
75 & Over	1735	732	1003	973	640	104	10	0	0	8
Not Stated	1779	932	847	982	613	65	32	49	0	38
TOTAL	94355	46865	47490	56530	27196	3584	2901	3483	3	658

TS-1 (PART 1)

URBAN

MUNICIPALITIES	NUMBER OF PERSONS											THIS YEAR TO DATE			
	TOTAL OCCUP.	KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		TOTAL	ON ROADWAY	OFF ROADWAY	TOTAL	ON ROADWAY	OFF ROADWAY	A	B	C	NOT INJURED	KILLED	INJURED	KILLED	INJURED
1. TOWNSHIPS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2. UNDER 1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3. 1,000 - 2,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4. 2,500 - 5,000	29028	17	12	5	3536	3085	451	485	1017	2034	25475	12	3085	5	451
5. 5,000 - 10,000	35092	17	14	3	4320	3728	592	600	1427	2293	30455	14	3728	3	592
6. 10,000 - 25,000	73576	65	54	11	9809	8541	1268	1189	2797	5823	63702	54	8541	11	1268
7. 25,000 - 50,000	109536	97	76	21	15379	13562	1817	1825	4232	9322	94060	76	13562	21	1817
8. 50,000 - 100,000	129828	87	74	13	20339	18070	2269	2084	5328	12927	109402	74	18070	13	2269
9. 100,000 - 250,000	109716	80	61	19	15994	14122	1872	1647	4489	9858	93642	61	14122	19	1872
10. 250,000 OR MORE	135624	161	121	40	24978	22012	2966	2579	5457	16942	110485	121	22012	40	2966
TOTALS	622400	524	412	112	94355	83120	11235	10409	24747	59199	527521	412	83120	112	11235

MUNICIPALITIES	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.
1. TOWNSHIPS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2. UNDER 1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3. 1,000 - 2,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4. 2,500 - 5,000	10831	17	2488	8326	8503	12	2131	6360	2328	5	357	1966	10831	17	2488	8326
5. 5,000 - 10,000	13105	17	3011	10077	9961	14	2543	7404	3144	3	468	2673	13105	17	3011	10077
6. 10,000 - 25,000	27683	58	6863	20762	21772	48	5860	15864	5911	10	1003	4898	27683	58	6863	20762
7. 25,000 - 50,000	40653	90	10693	29870	32457	71	9225	23161	8196	19	1468	6709	40653	90	10693	29870
8. 50,000 - 100,000	47302	82	13992	33228	38516	69	12167	26280	8786	13	1825	6948	47302	82	13992	33228
9. 100,000 - 250,000	40739	77	11179	29483	32850	59	9648	23143	7889	18	1531	6340	40739	77	11179	29483
10. 250,000 OR MORE	51005	150	16406	34449	40598	112	14109	26377	10407	38	2297	8072	51005	150	16406	34449
TOTALS	231318	491	64632	166195	184657	385	55683	128589	46661	106	8949	37606	231318	491	64632	166195

CLASS OF TRAFFICWAY	NUMBER OF PERSONS											THIS YEAR TO DATE			
	TOTAL OCCUP.	KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		TOTAL	ON ROADWAY	OFF ROADWAY	TOTAL	ON ROADWAY	OFF ROADWAY	A	B	C	NOT INJURED	KILLED	INJURED	KILLED	INJURED
1. INTERSTATE SYSTEM	34099	43	24	19	6210	4619	1591	802	1620	3788	27846	24	4619	19	1591
2. OTHER FULL CONTROL	10653	17	8	9	2181	1692	489	259	447	1475	8455	8	1692	9	489
3. OTHER U.S. ROUTE	39309	33	31	2	5471	5059	412	580	1286	3605	31805	31	5059	2	412
4. OTHER STATE M ROUTES	108637	99	88	11	16372	15238	1134	1678	3938	10756	92166	88	15238	11	1134
5. OTHER MAJOR ART'L.	29132	17	14	3	3826	3539	287	449	1053	2324	25289	14	3539	3	287
6. COUNTY ROADS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. LOCAL STREETS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. OTHER TRAFFICWAYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. LOCAL ROADS–N.K.	402570	315	247	68	60295	52973	7322	6641	16403	37251	341960	247	52973	68	7322
TOTALS	622400	524	412	112	94355	83120	11235	10409	24747	59199	527521	412	83120	112	11235

CLASS OF TRAFFICWAY	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.
1. INTERSTATE SYSTEM	13426	39	4291	9096	10073	22	3033	7018	3353	17	1258	2078	13426	39	4291	9096
2. OTHER FULL CONTROL	3940	16	1490	2434	3024	8	1102	1914	916	8	388	520	3940	16	1490	2434
3. OTHER U.S. ROUTE	12505	29	3623	8853	11251	27	3288	7936	1254	2	335	917	12505	29	3623	8853
4. OTHER STATE M ROUTES	37218	92	11069	26057	33662	81	10171	23410	3556	11	898	2647	37218	92	11069	26057
5. OTHER MAJOR ART'L.	9918	17	2633	7268	8811	14	2411	6386	1107	3	222	882	9918	17	2633	7268
6. COUNTY ROADS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. LOCAL STREETS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. OTHER TRAFFICWAYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. LOCAL ROADS – N.K.	154311	298	41526	112487	117836	233	35678	81925	36475	65	5848	30562	154311	298	41526	112487
TOTALS	231318	491	64632	166195	184657	385	55683	128589	46661	106	8949	37606	231318	491	64632	166195

PEDESTRIAN ACCIDENTS	ALL ACCIDENTS			FATAL			INJURY			PROPERTY DAMAGE		
	TOTAL	AT INTER.	NOT AT INTER.	TOTAL	AT INTER.	NOT AT INTER.	TOTAL	AT INTER.	NOT AT INTER.	TOTAL	AT INTER.	NOT AT INTER.
1. CAR GOING STRAIGHT	2755	1313	1442	130	47	83	2525	1222	1303	100	44	56
2. CAR TURNING STRAIGHT	194	173	21	1	0	1	188	169	19	5	4	1
3. CAR TURNING LEFT	270	232	38	5	5	0	257	221	36	8	6	2
4. CAR BACKING	128	40	88	1	1	0	125	39	86	2	0	2
5. ALL OTHERS	59	17	42	1	0	1	56	16	40	2	1	1
6. NOT STATED	18	11	7	0	0	0	18	11	7	0	0	0
TOTALS	3424	1786	1638	138	53	85	3169	1678	1491	117	55	62

PEDESTRIAN ACTIONS BY AGE	PEDESTRIANS KILLED	AGE OF PEDESTRIANS KILLED AND INJURED									
		TOTAL	0 TO 4	5 TO 9	10 TO 14	15 TO 19	20 TO 24	25 TO 44	45 TO 64	65 & OLDER	NOT STATED
1a. CROSSING AT INTERSECTION OR IN CROSSWALK	43	1534	52	224	228	180	130	384	182	136	18
1b. CROSSING NOT AT INTERSECTION OR IN CROSSWALK	57	1148	137	301	170	107	71	189	92	60	21
2a. WALKING IN ROADWAY – WITH TRAFFIC	16	140	1	4	21	19	29	50	7	7	2
2b. WALKING IN ROADWAY – AGAINST TRAFFIC	1	40	0	2	8	10	4	11	2	1	2
3 . STANDING IN ROADWAY	5	168	2	6	10	23	25	69	15	10	8
4 . PUSHING OR WORKING ON VEHICLE IN ROADWAY	1	78	0	0	1	16	14	36	7	4	0
5 . OTHER WORKING IN ROADWAY	1	36	0	0	1	2	2	20	9	0	2
6 . PLAYING IN ROADWAY	0	36	8	9	12	4	0	2	0	0	1
7 . OTHER IN ROADWAY	15	170	3	5	20	27	35	50	20	5	5
8 . NOT IN ROADWAY	9	326	9	15	29	45	48	102	48	24	6
9 . NOT STATED	5	61	4	1	5	14	7	18	8	3	1
TOTALS	153	3737	216	567	505	447	365	931	390	250	66

TS-1 (PART 2)

URBAN

	TWO MOTOR VEHICLE ACCIDENTS	TOTAL	FATAL	INJURY	P.D.
AT INTERSECTION	1. ENTERING AT ANGLE	42370	71	13516	28783
	2a. FROM SAME DIRECTION (both going straight)	10566	4	2004	8558
	2b. SAME – ONE TURN, ONE STRAIGHT	8985	0	1503	7482
	2c. SAME–ONE STOPPED	23123	2	7616	15505
	2d. SAME–ALL OTHERS	2068	0	148	1920
	3a. FROM OPP. DIRECTION (both going straight)	1902	8	675	1219
	3b. SAME–ONE LEFT TURN, ONE STRAIGHT	12873	24	4958	7891
	3c. SAME–ALL OTHERS	412	1	90	321
	4. NOT STATED	6394	6	569	5819
	TOTALS	108693	116	31079	77498

	TWO MOTOR VEHICLE ACCIDENTS	TOTAL	FATAL	INJURY	P.D.
NOT AT INTERSECTION	1. GOING OPP. DIRECTION (both going straight)	4195	42	1433	2720
	2. GOING SAME DIRECTION (both moving)	21226	18	4847	16361
	3a. ONE CAR PARKED	19809	14	1675	18120
	3b. ONE CAR STOPPED IN TRAFFIC	17213	9	5974	11220
	4a. ONE CAR ENTERING PARKED POS.	167	0	17	150
	4b. ONE CAR LEAVING PARKED POS.	1741	0	175	1566
	5a. ONE CAR ENTER. DRIVEWAY ACCESS	10248	10	2619	7619
	5b. ONE CAR LEAVING DRIVEWAY ACCESS	14811	9	2640	12162
	6. ALL OTHERS/NOT STATED	1911	1	360	1550
	TOTALS	91321	103	19750	71468

		ALL OTHER ACCIDENTS	TOTAL	FATAL	INJURY	P.D.
AT INTER.	COLLISION WITH:	1. OTHER ROAD VEH., OR RR TRAIN	2178	8	1803	367
		2. FIXED OBJECT	6923	15	1856	5052
		3. OTHER OBJECT OR ANIMAL	285	0	52	233
	4. OVERTURNING		494	4	380	110
	5. OTHER NONCOLLISION		290	1	125	164
NOT AT INTER.	COLLISION WITH:	6. OTHER ROAD VEH., OR RR TRAIN	1315	17	1063	235
		7. FIXED OBJECT	13083	70	4134	8879
		8. OTHER OBJECT OR ANIMAL	1277	1	122	1154
	9. OVERTURNING		1439	13	949	477
	10. OTHER NONCOLLISION		595	5	150	440
	11. NOT STATED		1	0	0	1
	TOTALS		277880	134	10634	17112

HAZARDOUS ACTION *	NUMBER OF TRAFFIC UNITS			
	TOTAL	FATAL	INJURY	P.D.
1. NO VIOLATION	196670	413	62556	133701
2. SPEED TOO FAST	19408	119	6643	12646
3. SPEED TOO SLOW	148	0	67	81
4. DISREGARD CONTROL/ROW	64822	202	23586	41034
5. WRONG WAY	561	5	221	335
6. LEFT CENTER/IMPROPER PASS/LANE	28351	65	4936	23350
7. IMPROPER TURN/SIGNAL	11979	9	2446	9524
8. IMPROPER BACKING/START	15485	4	814	14667
9. FOLLOWING/UNABLE TO STOP	80103	74	24098	55931
10. OTHER/NOT KNOWN	10201	32	2734	7435
11.				
12.				
13.				
14.				
TOTALS	427728	923	128101	298704

CONTRIBUTING CIRCUMSTANCE *	NUMBER OF TRAFFIC UNITS			
	TOTAL	FATAL	INJURY	P.D.
1. NONE	187374	389	59967	127018
2. OUIL/DRUGS	6675	121	2961	3593
3. RECKLESS/CARELESS	4507	29	2440	2038
4. INATTENTION/ILL/ETC.	1923	3	776	1144
5. VIOLATION LICENSE RESTRICTION	31	0	5	26
6. OBSCURED VISION	3403	4	1017	2382
7. DEFECTIVE EQUIPMENT	2417	6	757	1654
8. LOST CONTROL/LOAD/WIND	76	1	25	50
9. SKIDDING	11462	21	2789	8652
10. OTHER/NOT KNOWN	209860	349	57364	152147
11.				
12.				
13.				
14.				
TOTALS	427728	923	128101	298704

* Includes pedestrians and drivers

MANNER OF TWO MOTOR VEHICLE COLLISION	TOTAL	FATAL	INJURY	P.D.
1. HEAD ON	5214	47	1891	3276
2. REAR END	26630	21	5985	20624
3. SIDESWIPE - MEETING	316	0	69	247
4. SIDESWIPE - PASSING	2357	0	290	2067
5. ANGLE	29056	62	10770	18224
6. BACKED INTO	3959	2	220	3737
7. ALL OTHERS	132400	87	31584	100729
8. NOT STATED	82	0	20	62
TOTALS	200014	219	50829	148966

TYPE OF VEHICLE	TOTAL	FATAL	INJURY	P.D.
1. PASSENGER CAR	330719	528	99289	230902
2. PASSENGER CAR AND TRAILER	1154	1	307	846
3. TRUCK OR TRUCK TRACTOR	50268	105	12327	37836
4. TRUCK TRACTOR AND SEMI-TRAILER	4359	29	942	3388
5. OTHER TRUCK COMBINATION	1372	3	291	1078
6. FARM TRACTOR AND/OR FARM EQUIP.	47	0	8	39
7. BUS	1125	4	341	780
8. SCHOOL BUS	1027	0	165	862
9. MOTORCYCLE/MOTOR SCOOTER	3991	48	3220	723
10. OTHER/NOT STATED	26938	27	4811	22100
TOTALS	421000	745	121701	298554

DRINKING CONDITION DRIVERS	NUMBER OF DRIVERS			
	TOTAL	FATAL	INJURY	P.D.
1. HAD BEEN DRINKING	20945	195	9262	11488
2. NOT KNOWN IF DRINKING	52821	63	10754	42004
3. HAD NOT BEEN DRINKING	346671	485	101626	244560
TOTALS	420437	743	121642	298052

DRINKING IN ACCIDENT	NUMBER OF ACCIDENTS			
	TOTAL	FATAL	INJURY	P.D.
1. HAD BEEN DRINKING	20327	208	9001	11118
2. NOT KNOWN IF DRINKING	20469	23	2764	17682
3. HAD NOT BEEN DRINKING	190522	260	52867	137395
TOTALS	231318	491	64632	166195

DRINKING CONDITION PEDESTRIAN	NUMBER OF PEDESTRIANS			
	TOTAL	FATAL	INJURY	P.D.
1. HAD BEEN DRINKING	198	45	150	3
2. NOT KNOWN IF DRINKING	2996	35	2846	115
3. HAD NOT BEEN DRINKING	693	83	602	8
TOTALS	3887	163	3598	126

TS-1 (PART 3)

AGE OF DRIVER	NUMBER OF SRIVERS			
	TOTAL	FATAL	INJURY	P.D.
1. 15 AND YOUNGER	1130	3	557	570
2. 16	10248	14	2883	7351
3. 17	12765	23	3661	9081
4. 18 TO 19	29551	58	8619	20874
5. 20 TO 24	69091	141	20914	48036
6. 25 TO 34	99469	178	30817	68474
7. 35 TO 44	60083	113	18575	41395
8. 45 TO 54	34613	49	10516	24048
9. 55 TO 64	28839	63	8706	20070
10. 65 TO 74	16151	30	4730	11391
11. 75 AND OLDER	7560	30	2073	5457
12. NOT STATED *	50937	41	9591	41305
TOTALS	420437	743	121642	298052
H & R DRIVERS (Not Apprehended)	0	0	0	0

* Includes Hit & Run Drivers

SEX OF DRIVER	TOTAL	FATAL	INJURY	P.D.
1. MALE	276617	577	76802	199238
2. FEMALE	143820	166	44840	98814
TOTALS	420437	743	121642	298052

RESIDENCE OF DRIVER	TOTAL	FATAL	INJURY	P.D.
1. LOCAL RESIDENT	313485	563	94034	218888
2. RESIDING ELSEWHERE	64400	120	19122	45158
3. NON-RESIDENT	5141	16	1348	3777
4. NOT STATED	37411	44	7138	30229
TOTALS	420437	743	121642	298052
DRIVERLESS MOVING	563	2	59	502

MILEAGE RATES	THIS YEAR TO DATE	LAST YEAR SAME PERIOD	PERCENT CHANGE
1. Motor Vehicle Traffic Deaths			%
2. Estimated Motor Veh. Mileage Traveled (billions)			%
3. Death Rate Per 100-Million-Vehicle-Miles			%
4. Fatal Accident Rate Per 100-Million-Vehicle-Miles			%

	OFF ROADWAY ACCIDENTS	NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		TOTAL	FATAL	INJURY	P.D.	TOTAL OCCUP.	KILLED	INJURED	NOT INJURED	INJURED			ACCIDENTS	KILLED	INJURED
										A	B	C			
	1. OVERTURNED	8180	81	4302	3797	12682	85	5800	6797	1169	2238	2393	8180	85	5800
	2. OTHER NON-COLLISION	359	1	94	264	523	1	104	418	22	53	29	359	1	104
COLLISION WITH:	3. PEDESTRIAN	64	4	56	4	172	5	71	96	25	24	22	64	5	71
	4. M.V. IN TRANSPORT	232	3	76	153	736	4	160	572	51	37	72	232	4	160
	5. M.V.-OTHER ROADWAY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6. PARKED M.V.	5449	11	590	4848	7563	13	811	6739	161	295	355	5449	13	811
	7. RAILROAD TRAIN	1	0	1	0	3	0	3	0	0	3	0	1	0	3
	8. PEDALCYCLIST	26	1	23	2	62	1	24	37	4	8	12	26	1	24
	9. ANIMAL	78	0	17	61	123	0	20	103	2	7	11	78	0	20
	10. FIXED OBJECT	31177	216	9571	21390	46452	237	12369	33846	2631	4923	4815	31177	237	12369
	11. OTHER OBJECT	59	2	13	44	87	2	14	71	2	7	5	59	2	14
	TOTALS	45625	319	14743	30563	68403	348	19376	48679	4067	7595	7714	45625	348	19376

ROAD SURFACE	NUMBER OF ACCIDENTS			
	TOTAL	FATAL	INJURY	P.D.
DRY	85882	628	24171	61083
WET	28935	144	8221	20570
SNOWY/ICY	39287	138	8965	30184
OTHER	1482	10	449	1023
TOTAL	155586	920	41806	112860

LIGHT CONDITION	NUMBER OF ACCIDENTS			
	TOTAL	FATAL	INJURY	P.D.
DAYLIGHT	85200	441	25045	59714
DAWN/DUSK	9450	41	2071	7338
DARKNESS/LIGHTS	5914	56	1882	3976
DARKNESS/NO LIGHTS	54584	378	12734	41472
NOT STATED	438	4	74	360
TOTAL	155586	920	41806	112860

AGE	NUMBER OF PERSONS KILLED									
	TOTAL	MALE	FEMALE	DRIVER	PASS.	PED.	PEDAL/ CYCLE	M/CYCLE	FARM	OTHER
0 - 4	21	13	8	0	17	3	0	0	0	1
5 - 9	37	18	19	0	14	11	10	0	1	1
10 - 14	36	21	15	5	15	10	5	1	0	0
15 - 19	149	101	48	65	48	15	5	14	0	2
20 - 24	165	135	30	95	35	6	2	24	0	3
25 - 34	226	189	37	128	41	15	3	37	0	2
35 - 44	113	71	42	72	14	12	1	10	1	3
45 - 54	86	53	33	56	19	3	0	3	1	4
55 - 64	70	44	26	42	19	5	1	3	0	0
65 - 74	73	36	37	32	32	7	1	0	0	1
75 & Over	69	38	31	40	18	11	0	0	0	0
Not Stated	0	0	0	0	0	0	0	0	0	0
TOTAL	1045	719	326	535	272	98	28	92	3	17

CODE OF INJURY

A INCAPACITATING INJURY

Any injury other than fatal which prevents normal activities and generally requires hospitalization.

B NON-INCAPACITATING INJURY

Any injury not incapacitating but evident to others at the scene.

C POSSIBLE INJURY

No visible injury but complaint of pain or momentary inconsciousness.

AGE	NUMBER OF PERSONS INJURED									
	TOTAL	MALE	FEMALE	DRIVER	PASS.	PED.	PEDAL/ CYCLE	M/CYCLE	FARM	OTHER
0 - 4	1152	627	525	1	1078	52	14	4	0	3
5 - 9	1753	942	811	10	1394	148	169	19	2	11
10 - 14	2739	1428	1311	105	1878	169	347	182	8	50
15 - 19	13478	7282	6196	7369	4922	184	173	710	14	106
20 - 24	11172	6721	4451	7318	2712	113	57	861	11	100
25 - 34	13036	7482	5554	9237	2549	158	64	887	17	124
35 - 44	7870	3970	3900	5806	1486	82	23	380	12	81
45 - 54	4378	2161	2217	3139	970	58	13	150	5	43
55 - 64	3436	1617	1819	2318	971	45	14	50	8	30
65 - 74	1995	872	1123	1264	663	32	4	18	3	11
75 & Over	1179	543	636	685	457	23	1	4	3	6
Not Stated	874	454	420	485	309	15	5	47	1	12
TOTAL	63062	34099	28963	37737	19389	1079	884	3312	84	577

TRAFFIC ACCIDENT SUMMARY FOR CITIES

1985

Cities	Total Accidents	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Persons Killed	Persons Injured
Adrian	993	4	235	754	7	335
Albion	222	0	49	173	0	65
Algonac	79	0	24	55	0	32
Allegan	209	1	39	169	1	55
Allen Park	1,429	1	380	1,048	1	535
Alma	369	0	67	302	0	90
Alpena	462	0	116	346	0	168
Ann Arbor	3,703	1	967	2,735	1	1,283
Armada	28	0	3	25	0	5
Auburn Hills	1,109	2	389	718	2	578
Bad Axe	178	0	36	142	0	50
Battle Creek	2,897	7	731	2,159	8	1,063
Bay City	1,556	2	333	1,221	2	418
Belding	141	0	22	119	0	27
Benton Harbor	654	4	150	500	4	207
Berkley	95	0	37	58	0	51
Bessemer	59	0	12	47	0	15
Beverly Hills	367	1	105	261	1	140
Big Rapids	570	0	99	471	0	148
Birmingham	1,314	2	286	1,026	2	400
Blissfield	71	0	20	51	0	31
Bloomfield Hills	389	2	93	294	2	135
Boyne City	123	0	16	107	0	23
Brighton	361	1	83	277	1	116
Buchanan	174	0	38	136	0	48
Burton	1,201	6	371	824	6	558
Cadillac	627	1	131	495	1	175
Caro	226	0	33	193	0	45
Cassopolis	75	0	19	56	0	29
Center Line	521	0	146	375	0	211
Charlevoix	202	1	30	171	1	41
Charlotte	277	0	66	211	0	91
Cheboygan	58	0	39	19	0	56
Chelsea	133	1	25	107	1	36
Chesaning	118	1	19	98	1	29
Clare	139	0	25	114	0	32
Clawson	554	3	154	397	3	211
Clio	109	0	24	85	0	31
Coldwater	452	1	89	362	1	126
Corunna	112	0	27	85	0	31
Davison	158	0	48	110	0	67
Dearborn	5,278	16	1,426	3,836	17	2,082
Dearborn Heights	2,566	2	731	1,833	3	1,080
Detroit	51,005	150	16,406	34,449	161	24,978
Dowagiac	279	0	45	234	0	61
Durand	94	0	15	79	0	18
East Detroit	1,330	3	349	978	3	493
East Grand Rapids	229	0	30	199	0	32
East Jordan	84	0	13	71	0	18
East Lansing	1,492	2	347	1,143	3	469
Eaton Rapids	116	0	31	85	0	35
Ecorse	528	1	119	408	1	168
Escanaba	752	1	177	574	1	246
Essexville	72	0	14	58	0	16
Farmington	463	0	134	329	0	181
Farmington Hills	2,584	9	833	1,742	10	1,174
Fenton	434	0	143	291	0	214
Ferndale	626	3	308	315	4	476
Flat Rock	202	0	65	137	0	101
Flint	8,080	22	2,277	5,781	23	3,380
Flushing	177	0	50	127	0	71
Frankenmuth	147	0	34	113	0	50

TRAFFIC ACCIDENT SUMMARY FOR CITIES (Continued)

Cities	Total Accidents	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Persons Killed	Persons Injured
Franklin	97	0	26	71	0	37
Fraser	879	1	278	600	1	401
Fremont	195	0	31	164	0	44
Garden City	1,235	1	383	851	1	553
Gaylord	189	0	42	147	0	63
Gibralter	58	0	23	35	0	30
Gladstone	170	1	31	138	1	46
Grand Blanc	245	1	74	170	1	120
Grand Haven	786	2	159	625	2	224
Grand Ledge	175	1	43	131	1	56
Grand Rapids	9,279	9	2,360	6,910	9	3,152
Grandville	648	1	157	490	1	241
Grayling	149	0	24	125	0	33
Greenville	411	0	100	311	0	137
Grosse Pointe	182	0	37	145	0	51
Grosse Pointe Farms	248	0	81	167	0	107
Grosse Pointe Park	359	0	73	286	0	99
Grosse Pointe Shores	41	0	16	25	0	22
Grosse Pointe Woods	281	0	53	228	0	67
Hamtramck	826	2	182	642	2	260
Hancock	288	0	40	248	0	57
Harbor Springs	61	0	7	54	0	13
Harper Woods	476	0	143	333	0	194
Harrison	109	1	15	93	1	21
Hartford	71	0	16	55	0	28
Hastings	319	1	73	245	1	116
Hazel Park	1,562	1	460	1,101	1	665
Highland Park	1,380	6	461	913	7	723
Hillsdale	434	0	76	358	0	110
Holland	1,284	2	364	918	2	502
Holly	179	0	37	142	0	51
Houghton	327	0	58	269	0	82
Howell	321	0	68	253	0	115
Hudson	68	0	14	54	0	23
Hudsonville	120	0	20	100	0	25
Huntington Woods	238	1	64	173	1	89
Inkster	947	1	298	648	1	449
Ionia	323	2	65	256	2	85
Iron Mountain	314	1	94	219	1	121
Iron River	110	0	11	99	0	12
Ironwood	351	0	51	300	0	64
Ishpeming	267	0	28	239	0	38
Ithaca	63	0	12	51	0	15
Jackson	2,275	4	502	1,769	4	722
Kalamazoo	4,931	4	1,025	3,902	4	1,407
Keego Harbor	168	0	42	126	0	51
Kentwood	1,579	3	406	1,170	3	557
Kingsford	135	0	34	101	0	38
Lake Orion	204	1	42	161	1	58
L'Anse	79	0	13	66	0	15
Lansing	6,639	10	1,626	5,003	11	2,238
Lapeer	428	0	96	332	0	146
Lathrup Village	293	0	101	192	0	151
Laurium	51	0	3	48	0	5
Lincoln Park	1,836	1	451	1,384	1	580
Linden	50	0	10	40	0	13
Livonia	4,540	6	1,369	3,165	6	2,045
Lowell	175	1	44	130	1	61
Ludington	370	1	65	304	1	89
Madison Heights	2,019	3	646	1,370	4	955
Manchester	42	0	2	40	0	2
Manistee	351	0	81	270	0	118
Manistique	134	0	24	110	0	32

MOTOR VEHICLE TRAFFIC ACCIDENTS IN MICHIGAN

PERIOD YEAR - 1985

Compiled by the Michigan State Police

Col. Gerald L. Hough, Director

SUMMARY OF ALL REPORTED ACCIDENTS

SUMMARY INCLUDES INFORMATION AVAILABLE

RURAL

TOTAL ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		TOTAL	FATAL	INJURY	P.D.	TOTAL OCCUP.	KILLED	INJURED	NOT INJURED	INJURED A	INJURED B	INJURED C	ACCIDENTS	KILLED	INJURED
	1. OVERTURNED	9440	92	5178	4170	14469	96	6878	7495	1415	2757	2706	9440	96	6878
	2. OTHER NON-COLLISION	1470	4	407	1059	2553	4	448	2101	124	204	120	1470	4	448
COLLISION WITH:	3. PEDESTRIAN	974	91	849	34	2569	92	957	1520	382	346	229	974	92	957
	4. M.V. IN TRANSPORT	76185	442	23268	52475	246574	526	39330	206718	6456	10910	21964	76185	526	39330
	5. M.V.-OTHER ROADWAY	70	4	30	36	231	9	61	161	29	12	20	70	9	61
	6. PARKED M.V.	5449	11	590	4848	7563	13	811	6739	161	295	355	5449	13	811
	7. RAILROAD TRAIN	152	20	64	68	240	27	100	113	32	37	31	152	27	100
	8. PEDALCYCLIST	1024	27	857	140	2595	28	924	1643	246	431	247	1024	28	924
	9. ANIMAL	27888	5	706	27177	45131	5	820	44306	118	283	419	27888	5	820
	10. FIXED OBJECT	31970	220	9739	22011	47686	241	12578	34867	2673	5013	4892	31970	241	12578
	11. OTHER OBJECT	964	4	118	842	1606	4	155	1447	19	62	74	964	4	155
	TOTALS	155586	920	41806	112860	371217	1045	63062	307110	11655	20350	31057	155586	1045	63062

ON ROADWAY ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		TOTAL	FATAL	INJURY	P.D.	TOTAL OCCUP.	KILLED	INJURED	NOT INJURED	INJURED A	INJURED B	INJURED C	ACCIDENTS	KILLED	INJURED
	1. OVERTURNED	1260	11	876	373	1787	11	1078	698	246	519	313	1260	11	1078
	2. OTHER NON-COLLISION	1111	3	313	795	2030	3	344	1683	102	151	91	1111	3	344
COLLISION WITH:	3. PEDESTRIAN	910	87	793	30	2397	87	886	1424	357	322	207	910	87	886
	4. M.V. IN TRANSPORT	75953	439	23192	52322	245838	522	39170	206146	6405	10873	21892	75953	522	39170
	5. M.V.-OTHER ROADWAY	70	4	30	36	231	9	61	161	29	12	20	70	9	61
	6. PARKED M.V.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7. RAILROAD TRAIN	151	20	63	68	237	27	97	113	32	34	31	151	27	97
	8. PEDALCYCLIST	998	26	834	138	2533	27	900	1606	242	423	235	998	27	900
	9. ANIMAL	27810	5	689	27116	45008	5	800	44203	116	276	408	27810	5	800
	10. FIXED OBJECT	793	4	168	621	1234	4	209	1021	42	90	77	793	4	209
	11. OTHER OBJECT	905	2	105	798	1519	2	141	1376	17	55	69	905	2	141
	TOTALS	109961	601	27063	82297	302814	697	43686	258431	7588	12755	23343	109961	697	43686

RURAL

MUNICIPALITIES	NUMBER OF PERSONS											THIS YEAR TO DATE			
	TOTAL OCCUP.	KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		TOTAL	ON ROADWAY	OFF ROADWAY	TOTAL	ON ROADWAY	OFF ROADWAY	A	B	C	NOT INJURED	KILLED	INJURED	KILLED	INJURED
1. TOWNSHIPS	344202	1008	672	336	60006	41211	18795	11135	19309	29562	283188	672	41211	336	18795
2. UNDER 1,000	7121	14	10	4	951	740	211	168	337	446	6156	10	740	4	211
3. 1,000 - 2,500	19894	23	15	8	2105	1735	370	352	704	1049	17766	15	1735	8	370
4. 2,500 - 5,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5. 5,000 - 10,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6. 10,000 - 25,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. 25,000 - 50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. 50,000 - 100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. 100,000 - 250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10. 250,000 OR MORE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTALS	371217	1045	697	348	63062	43686	19376	11655	20350	31057	307110	697	43686	348	19376

MUNICIPALITIES	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.
1. TOWNSHIPS	145309	887	39622	104800	102495	579	25339	76577	42814	308	14283	28223	145309	887	39622	104800
2. UNDER 1,000	2755	13	651	2091	1889	9	482	1398	866	4	169	693	2755	13	651	2091
3. 1,000 - 2,500	7522	20	1533	5969	5577	13	1242	4322	1945	7	291	1647	7522	20	1533	5969
4. 2,500 - 5,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5. 5,000 - 10,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6. 10,000 - 25,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. 25,000 - 50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. 50,000 - 100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. 100,000 - 250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10. 250,000 OR MORE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTALS	155586	920	41806	112860	109961	601	27063	82297	45625	319	14743	30563	155586	920	41806	112860

CLASS OF TRAFFICWAY	NUMBER OF PERSONS											THIS YEAR TO DATE			
	TOTAL OCCUP.	KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		TOTAL	ON ROADWAY	OFF ROADWAY	TOTAL	ON ROADWAY	OFF ROADWAY	A	B	C	NOT INJURED	KILLED	INJURED	KILLED	INJURED
1. INTERSTATE SYSTEM	22273	77	49	28	3750	2114	1636	657	1207	1886	18446	49	2114	28	1636
2. OTHER FULL CONTROL	4104	14	5	9	654	302	352	132	192	330	3436	5	302	9	352
3. OTHER U.S. ROUTE	38503	117	99	18	6153	4996	1157	1042	1755	3356	32233	99	4996	18	1157
4. OTHER STATE M ROUTES	86917	250	207	43	14049	11620	2429	2519	4206	7324	72618	207	11620	43	2429
5. OTHER MAJOR ART'L.	6268	12	11	1	1022	942	80	175	292	555	5234	11	942	1	80
6. COUNTY ROADS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. LOCAL STREETS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. OTHER TRAFFICWAYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. LOCAL ROADS—N.K.	213152	575	326	249	37434	23712	13722	7130	12698	17606	175143	326	23712	249	13722
TOTALS	371217	1045	697	348	63062	43686	19376	11655	20350	31057	307110	697	43686	348	19376

CLASS OF TRAFFICWAY	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.
1. INTERSTATE SYSTEM	9797	59	2566	7172	5823	33	1325	4465	3974	26	1241	2707	9797	59	2566	7172
2. OTHER FULL CONTROL	1959	13	465	1481	1100	4	199	897	859	9	266	584	1959	13	465	1481
3. OTHER U.S. ROUTE	14824	90	3849	10885	11839	74	2964	8801	2985	16	885	2084	14824	90	3849	10885
4. OTHER STATE M ROUTES	33349	223	8788	24338	27505	184	6943	20378	5844	39	1845	3960	33349	223	8788	24338
5. OTHER MAJOR ART'L.	2158	11	639	1508	1904	10	573	1321	254	1	66	187	2158	11	639	1508
6. COUNTY ROADS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. LOCAL STREETS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. OTHER TRAFFICWAYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. LOCAL ROADS – N.K.	93499	524	25499	67476	61790	296	15059	46435	31709	228	10440	21041	93499	524	25499	67476
TOTALS	155586	920	41806	112860	109961	601	27063	82297	45625	319	14743	30563	155586	920	41806	112860

PEDESTRIAN ACCIDENTS	ALL ACCIDENTS			FATAL			INJURY			PROPERTY DAMAGE		
	TOTAL	AT INTER.	NOT AT INTER.	TOTAL	AT INTER.	NOT AT INTER.	TOTAL	AT INTER.	NOT AT INTER.	TOTAL	AT INTER.	NOT AT INTER.
1. CAR GOING STRAIGHT	857	211	646	88	8	80	739	192	547	30	11	19
2. CAR TURNING STRAIGHT	20	16	4	0	0	0	20	16	4	0	0	0
3. CAR TURNING LEFT	29	17	12	1	1	0	27	15	12	1	1	0
4. CAR BACKING	25	5	20	1	0	1	24	5	19	0	0	0
5. ALL OTHERS	29	4	25	0	0	0	28	4	24	1	0	1
6. NOT STATED	14	4	10	1	0	1	11	3	8	2	1	1
TOTALS	974	257	717	91	9	82	849	235	614	34	13	21

PEDESTRIAN ACTIONS BY AGE	PEDESTRIANS KILLED	AGE OF PEDESTRIANS KILLED AND INJURED									
		TOTAL	0 TO 4	5 TO 9	10 TO 14	15 TO 19	20 TO 24	25 TO 44	45 TO 64	65 & OLDER	NOT STATED
1a. CROSSING AT INTERSECTION OR IN CROSSWALK	8	202	13	31	41	31	17	32	17	16	4
1b. CROSSING NOT AT INTERSECTION OR IN CROSSWALK	39	339	29	92	70	38	15	43	15	32	5
2a. WALKING IN ROADWAY – WITH TRAFFIC	9	135	1	2	24	50	18	28	9	3	0
2b. WALKING IN ROADWAY – AGAINST TRAFFIC	2	26	0	1	4	5	4	9	2	1	0
3 . STANDING IN ROADWAY	7	69	2	5	4	11	10	24	10	2	1
4 . PUSHING OR WORKING ON VEHICLE IN ROADWAY	3	50	1	0	2	6	10	23	8	0	0
5 . OTHER WORKING IN ROADWAY	0	11	0	0	0	0	2	6	2	0	1
6 . PLAYING IN ROADWAY	1	20	2	8	8	2	0	0	0	0	0
7 . OTHER IN ROADWAY	9	105	1	4	10	18	15	37	9	11	0
8 . NOT IN ROADWAY	9	161	4	12	13	29	23	43	31	3	3
9 . NOT STATED	11	59	2	4	3	9	5	22	8	5	1
TOTALS	98	1177	55	159	179	199	119	267	111	73	15

TS-1 (PART 2)

RURAL

TWO MOTOR VEHICLE ACCIDENTS		TOTAL	FATAL	INJURY	P.D.
AT INTERSECTION	1. ENTERING AT ANGLE	14887	103	5185	9599
	2a. FROM SAME DIRECTION (both going straight)	2778	1	606	2171
	2b. SAME – ONE TURN, ONE STRAIGHT	3498	4	843	2651
	2c. SAME–ONE STOPPED	7161	3	2199	4959
	2d. SAME–ALL OTHERS	811	0	63	748
	3a. FROM OPP. DIRECTION (both going straight)	1007	16	363	628
	3b. SAME–ONE LEFT TURN, ONE STRAIGHT	3777	21	1626	2130
	3c. SAME–ALL OTHERS	143	0	34	109
	4. NOT STATED	859	0	81	778
	TOTALS	34921	148	11000	23773

TWO MOTOR VEHICLE ACCIDENTS		TOTAL	FATAL	INJURY	P.D.
NOT AT INTERSECTION	1. GOING OPP. DIRECTION (both going straight)	6407	204	2395	3808
	2. GOING SAME DIRECTION (both moving)	10944	30	2827	8087
	3a. ONE CAR PARKED	4590	11	509	4070
	3b. ONE CAR STOPPED IN TRAFFIC	7626	17	2614	4995
	4a. ONE CAR ENTERING PARKED POS.	40	0	12	28
	4b. ONE CAR LEAVING PARKED POS.	269	1	35	233
	5a. ONE CAR ENTER. DRIVEWAY ACCESS	7683	27	2410	5246
	5b. ONE CAR LEAVING DRIVEWAY ACCESS	8037	18	1758	6261
	6. ALL OTHERS/NOT STATED	1187	1	328	858
	TOTALS	46783	309	12888	33586

ALL OTHER ACCIDENTS			TOTAL	FATAL	INJURY	P.D.
AT INTER.	COLLISION WITH:	1. OTHER ROAD VEH., OR RR TRAIN	477	10	386	81
		2. FIXED OBJECT	5407	32	1533	3842
		3. OTHER OBJECT OR ANIMAL	898	0	42	856
	4. OVERTURNING		933	4	582	347
	5. OTHER NONCOLLISION		263	0	111	152
NOT AT INTER.	COLLISION WITH:	6. OTHER ROAD VEH., OR RR TRAIN	699	37	535	127
		7. FIXED OBJECT	26563	188	8206	18169
		8. OTHER OBJECT OR ANIMAL	27954	9	782	27163
	9. OVERTURNING		8507	88	4596	3823
	10. OTHER NONCOLLISION		1203	4	294	905
	11. NOT STATED		4	0	2	2
	TOTALS		72908	372	17069	55467

HAZARDOUS ACTION *	NUMBER OF TRAFFIC UNITS			
	TOTAL	FATAL	INJURY	P.D.
1. NO VIOLATION	118346	682	30426	87238
2. SPEED TOO FAST	23544	269	8660	14615
3. SPEED TOO SLOW	117	1	37	79
4. DISREGARD CONTROL/ROW	23531	206	9052	14273
5. WRONG WAY	148	8	71	69
6. LEFT CENTER/IMPROPER PASS/LANE	11491	172	3071	8248
7. IMPROPER TURN/SIGNAL	4483	10	1176	3297
8. IMPROPER BACKING/START	4447	2	280	4165
9. FOLLOWING/UNABLE TO STOP	47285	190	15422	31673
10. OTHER/NOT KNOWN	6453	43	2040	4370
11.				
12.				
13.				
14.				
TOTALS	239845	1583	70235	168027

CONTRIBUTING CIRCUMSTANCE *	NUMBER OF TRAFFIC UNITS			
	TOTAL	FATAL	INJURY	P.D.
1. NONE	112027	621	28609	82797
2. OUIL/DRUGS	6106	269	2893	2944
3. RECKLESS/CARELESS	4451	69	2275	2107
4. INATTENTION/III/ETC.	1715	13	727	975
5. VIOLATION LICENSE RESTRICTION	33	0	11	22
6. OBSCURED VISION	2624	23	888	1713
7. DEFECTIVE EQUIPMENT	2066	9	664	1393
8. LOST CONTROL/LOAD/WIND	229	0	58	171
9. SKIDDING	10265	46	2857	7362
10. OTHER/NOT KNOWN	100329	533	31253	68543
11.				
12.				
13.				
14.				
TOTALS	239845	1583	70235	168027

* Includes pedestrians and drivers

MANNER OF TWO MOTOR VEHICLE COLLISION	TOTAL	FATAL	INJURY	P.D.
1. HEAD ON	6811	218	2564	4029
2. REAR END	11819	28	3028	8763
3. SIDESWIPE - MEETING	343	0	101	242
4. SIDESWIPE - PASSING	553	0	82	471
5. ANGLE	8610	90	3720	4800
6. BACKED INTO	1783	0	126	1657
7. ALL OTHERS	51731	121	14251	37359
8. NOT STATED	54	0	16	38
TOTALS	81704	457	23888	57349

TYPE OF VEHICLE	TOTAL	FATAL	INJURY	P.D.
1. PASSENGER CAR	175833	959	50981	123893
2. PASSENGER CAR AND TRAILER	995	7	259	729
3. TRUCK OR TRUCK TRACTOR	42311	262	10593	31456
4. TRUCK TRACTOR AND SEMI-TRAILER	3890	70	1058	2762
5. OTHER TRUCK COMBINATION	1640	11	357	1272
6. FARM TRACTOR AND/OR FARM EQUIP.	382	5	143	234
7. BUS	158	0	40	118
8. SCHOOL BUS	654	3	157	494
9. MOTORCYCLE/MOTOR SCOOTER	3556	96	2961	499
10. OTHER/NOT STATED	8367	34	1750	6583
TOTALS	237786	1447	68299	168040

DRINKING CONDITION DRIVERS	NUMBER OF DRIVERS			
	TOTAL	FATAL	INJURY	P.D.
1. HAD BEEN DRINKING	18740	444	8673	9623
2. NOT KNOWN IF DRINKING	11588	30	2125	9433
3. HAD NOT BEEN DRINKING	207235	972	57474	148789
TOTALS	237563	1446	68272	167845

DRINKING IN ACCIDENT	NUMBER OF ACCIDENTS			
	TOTAL	FATAL	INJURY	P.D.
1. HAD BEEN DRINKING	18209	437	8376	9396
2. NOT KNOWN IF DRINKING	4520	2	563	3955
3. HAD NOT BEEN DRINKING	132857	481	32867	99509
TOTALS	155586	920	41806	112860

DRINKING CONDITION PEDESTRIAN	NUMBER OF PEDESTRIANS			
	TOTAL	FATAL	INJURY	P.D.
1. HAD BEEN DRINKING	56	27	28	1
2. NOT KNOWN IF DRINKING	1028	17	977	34
3. HAD NOT BEEN DRINKING	135	64	70	1
TOTALS	1219	108	1075	36

TS-1 (PART 3)

AGE OF DRIVER	NUMBER OF SRIVERS			
	TOTAL	FATAL	INJURY	P.D.
1. 15 AND YOUNGER	1102	12	682	408
2. 16	8860	51	2876	5933
3. 17	10406	46	3268	7092
4. 18 TO 19	20450	112	6276	14062
5. 20 TO 24	41986	267	12820	28899
6. 25 TO 34	57405	370	16414	40621
7. 35 TO 44	37188	205	10303	26680
8. 45 TO 54	20451	139	5671	14641
9. 55 TO 64	14874	96	4234	10544
10. 65 TO 74	8030	67	2313	5650
11. 75 AND OLDER	3854	58	1241	2555
12. NOT STATED *	12957	23	2174	10760
TOTALS	237563	1446	68272	167845
H & R DRIVERS (Not Apprehended)	0	0	0	0

* Includes Hit & Run Drivers

SEX OF DRIVER	TOTAL	FATAL	INJURY	P.D.
1. MALE	159923	1118	44197	114608
2. FEMALE	77640	328	24075	53237
TOTALS	237563	1446	68272	167845

RESIDENCE OF DRIVER	TOTAL	FATAL	INJURY	P.D.
1. LOCAL RESIDENT	165992	948	48919	116125
2. RESIDING ELSEWHERE	54793	400	15634	38759
3. NON-RESIDENT	5674	51	1659	3964
4. NOT STATED	11104	47	2060	8997
TOTALS	237563	1446	68272	167845
DRIVERLESS MOVING	223	1	27	195

MILEAGE RATES	THIS YEAR TO DATE	LAST YEAR SAME PERIOD	PERCENT CHANGE
1. Motor Vehicle Traffic Deaths			%
2. Estimated Motor Veh. Mileage Traveled (billions)			%
3. Death Rate Per 100-Million-Vehicle-Miles			%
4. Fatal Accident Rate Per 100-Million-Vehicle-Miles			%

TRAFFIC ACCIDENT SUMMARY FOR CITIES (Continued)

Cities	Total Accidents	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Persons Killed	Persons Injured
Marine City	207	0	38	169	0	55
Marlette	79	0	14	65	0	17
Marquette	1,047	2	218	827	3	314
Marshall	261	0	52	209	0	77
Marysville	185	1	50	134	1	91
Mason	208	0	29	179	0	35
Melvindale	482	0	104	378	0	154
Memphis	36	0	4	32	0	5
Menominee	488	0	112	376	0	161
M.S.U.	444	0	89	355	0	105
Midland	1,572	1	396	1,175	1	569
Milan	90	0	16	74	0	17
Milford	175	0	33	142	0	38
Monroe	840	2	216	622	2	300
Montrose	54	0	14	40	0	18
Morrice	9	0	2	7	0	2
Mt. Clemens	938	3	229	706	3	341
Mt. Morris	124	0	28	96	0	36
Mt. Pleasant	852	2	193	657	2	287
Munising	82	0	10	72	0	13
Muskegon	2,293	3	625	1,665	3	924
Muskegon Heights	707	1	183	523	1	264
Negaunee	211	0	47	164	0	76
New Baltimore	238	0	93	145	0	168
New Buffalo	58	0	15	43	0	24
New Haven	72	1	23	48	1	35
Newberry	45	0	3	42	0	3
Niles	613	2	127	484	2	186
North Muskegon	126	1	31	94	1	55
Northville	207	0	56	151	0	87
Norton Shores	731	1	204	526	1	307
Norway	75	1	19	55	1	24
Novi	1,027	3	330	694	3	486
Oak Park	1,339	0	284	1,055	0	380
Otsego	108	0	23	85	0	30
Owosso	581	1	146	434	1	200
Oxford	105	0	24	81	0	32
Paw Paw	167	0	39	128	0	61
Perry	52	0	4	48	0	5
Petoskey	411	1	65	345	1	95
Plainwell	116	0	27	89	0	36
Pleasant Ridge	190	0	44	146	0	70
Plymouth	370	0	95	275	0	131
Pontiac	4,657	11	1,252	3,394	12	1,813
Port Huron	1,693	6	280	1,407	6	403
Portage	1,631	7	412	1,212	7	588
Portland	95	0	16	79	0	19
Richland	32	0	6	26	0	8
Richmond	113	0	32	81	0	38
River Rouge	214	1	37	176	1	44
Riverview	338	2	86	250	2	127
Rochester	439	0	88	351	0	130
Rochester Hills	1,935	6	605	1,324	6	918
Rockwood	53	0	11	42	0	16
Rogers City	88	0	11	77	0	15
Romeo	170	0	34	136	0	48
Romulus	1,542	7	453	1,082	9	648
Roosevelt Park	86	0	21	65	0	30
Roseville	2,939	5	834	2,100	5	1,179
Royal Oak	2,629	2	892	1,735	2	1,267
Saginaw	3,771	4	941	2,826	4	1,373
St. Clair	162	0	40	122	0	61
St. Clair Shores	1,021	3	587	431	3	895

TRAFFIC ACCIDENT SUMMARY FOR CITIES (Continued)

Cities	Total Accidents	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Persons Killed	Persons Injured
St. Ignace	90	2	16	72	2	26
St. Johns	343	0	63	280	0	85
St. Joseph	482	0	79	403	0	110
St. Louis	86	1	17	68	1	26
Saline	176	0	40	136	0	62
Sandusky	99	0	25	74	0	30
Sault Ste. Marie	626	1	97	528	1	127
South Haven	207	0	67	140	0	87
South Lyon	114	0	25	89	0	31
Southfield	3,230	7	1,346	1,877	7	2,022
Southgate	1,394	1	433	960	1	632
Sparta	99	0	24	75	0	33
Spring Lake	125	0	29	96	0	39
Springfield	273	1	81	191	1	124
Sterling Heights	4,315	12	1,209	3,094	15	1,811
Sturgis	397	0	111	286	0	167
Swartz Creek	177	1	48	128	1	63
Taylor	3,119	8	1,038	2,073	8	1,606
Tecumseh	248	0	62	186	0	91
Three Rivers	361	1	82	278	1	106
Traverse City	1,480	0	327	1,153	0	486
Trenton	439	3	156	280	3	250
Troy	3,721	14	948	2,759	15	1,405
Utica	576	0	155	421	0	233
Vassar	90	0	23	67	0	40
Wakefield	41	0	5	36	0	9
Walker	811	3	200	608	4	305
Walled Lake	277	0	91	186	0	126
Warren	6,923	14	2,121	4,788	14	3,097
Wayne	673	5	212	456	5	314
W.M.U.	143	0	20	123	0	24
Westland	1,872	5	780	1,087	5	1,213
Whitehall	162	0	30	132	0	36
Williamston	60	0	15	45	0	18
Wixom	235	2	53	180	2	75
Wolverine Lake	53	0	12	41	0	14
Woodhaven	448	2	156	290	2	222
Wyandotte	1,253	2	246	1,005	2	315
Wyoming	3,225	9	856	2,360	9	1,205
Ypsilanti	1,170	2	260	908	2	353
Zeeland	132	0	28	104	0	46
Atlas Twp.	109	1	32	76	1	38
Benton Twp.	1,037	5	280	752	5	457
Blackman Twp.	752	4	214	534	4	298
Bloomfield Twp.	1,918	7	589	1,322	11	887
Bridgeport Twp.	539	5	150	384	9	219
Brownstown Twp.	724	6	250	468	6	414
Buena Vista Twp.	625	4	200	421	4	293
Canton Twp.	1,296	6	381	909	6	580
Clay Twp.	249	2	83	164	2	121
Clinton Twp.	3,441	17	1,094	2,330	19	1,648
Davison Twp.	360	4	143	213	4	209
Delhi Twp.	527	1	148	378	1	210
DeWitt Twp.	375	0	107	268	0	161
Emmet Twp.	532	2	153	377	3	257
Flint Twp.	2,003	4	613	1,386	4	926
Genesee Twp.	708	4	195	509	4	311
Grand Blanc Twp.	824	1	248	575	1	371
Green Oak Twp.	357	2	120	235	2	174
Grosse Ile Twp.	152	0	33	119	0	42
Hampton Twp.	235	2	72	161	2	106
Huron Twp.	247	2	85	160	3	125
Kalamazoo Twp.	585	2	154	429	2	216

TRAFFIC ACCIDENT SUMMARY FOR CITIES (Continued)

Cities	Total Accidents	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Persons Killed	Persons Injured
Leoni Twp.	498	1	157	340	1	215
Meridian Twp.	1,187	2	313	872	2	439
Montrose Twp.	140	0	46	94	0	60
Mt. Morris Twp.	1,050	3	394	653	3	601
Napoleon Twp.	185	0	50	135	0	76
Niles Twp.	475	1	134	340	1	225
Northville Twp.	316	3	110	203	3	175
Oakland Twp.	272	2	93	177	2	134
Pittsfield Twp.	975	3	259	713	4	349
Redford Twp.	2,220	4	635	1,581	4	931
Richfield Twp.	198	2	53	143	2	87
Saginaw Twp.	1,518	3	410	1,105	3	598
St. Joseph Twp.	304	1	72	231	1	105
Shelby Twp.	1,429	8	471	950	9	706
Spaulding Twp.	81	0	22	59	0	30
Van Buren Twp.	779	7	232	540	7	337
Vienna Twp.	396	7	138	251	8	222
Waterford Twp.	3,685	10	1,237	2,438	13	1,856
West Bloomfield Twp.	1,286	3	294	989	3	442
White Lake Twp.	581	8	171	402	8	271
Wright Twp.	24	0	6	18	0	8

REPORTED STATEWIDE TRAFFIC ACCIDENTS
BY COUNTY IN MICHIGAN

County	All	Fatal	Injury	Property Damage	Inter-state	Local Street	State Route	Persons Killed	Persons Injured
Alcona	502	3	68	431	0	298	204	4	94
Alger	406	3	87	316	0	151	255	5	142
Allegan	3,068	30	758	2,280	179	1,985	904	32	1,103
Alpena	1,107	6	237	864	0	620	487	6	353
Antrim	664	6	170	488	0	359	305	10	276
Arenac	743	7	164	572	83	304	356	7	238
Baraga	300	6	58	236	0	155	145	7	85
Barry	1,943	13	478	1,452	0	1,261	682	14	718
Bay	4,326	16	1,148	3,162	268	2,479	1,579	16	1,650
Benzie	486	2	102	382	0	268	218	2	154
Berrien	6,739	39	1,714	4,986	965	3,990	1,784	45	2,599
Branch	1,632	8	346	1,278	156	980	496	8	488
Calhoun	6,222	23	1,496	4,703	1,066	4,253	903	29	2,209
Cass	1,884	7	479	1,398	0	1,073	811	7	701
Charlevoix	1,042	4	200	838	0	553	489	4	299
Cheboygan	748	1	225	522	123	372	253	1	309
Chippewa	1,056	3	199	854	239	648	169	3	285
Clare	1,272	4	229	1,039	0	654	618	4	328
Clinton	2,147	10	542	1,595	289	1,262	596	13	804
Crawford	651	4	139	508	216	273	162	4	213
Delta	1,783	7	364	1,412	0	1,116	667	7	531
Dickinson	1,153	3	244	906	0	559	594	3	336
Eaton	3,574	19	985	2,570	414	1,610	1,550	21	1,402
Emmet	1,321	10	250	1,061	13	640	668	12	374
Genesee	18,093	68	5,446	12,579	1,639	12,235	4,219	70	8,138
Gladwin	973	1	188	784	0	559	414	1	270
Gogebic	688	1	109	578	0	346	342	1	157
Grand Traverse	3,400	14	865	2,521	0	2,215	1,185	16	1,297
Gratiot	1,554	11	372	1,171	0	895	659	12	552

REPORTED STATEWIDE TRAFFIC ACCIDENTS
BY COUNTY IN MICHIGAN (Continued)

County	All	Fatal	Injury	Property Damage	Inter-state	Local Street	State Route	Persons Killed	Persons Injured
Hillsdale	1,749	8	376	1,365	0	1,090	659	11	569
Houghton	1,261	4	222	1,035	0	458	803	6	329
Huron	1,412	13	345	1,054	0	697	715	13	535
Ingham	12,948	29	3,122	9,797	1,621	7,426	3,901	33	4,298
Ionia	2,233	13	510	1,710	212	1,357	664	14	763
Iosco	1,228	6	218	1,004	0	635	593	7	329
Iron	591	0	76	515	0	249	342	0	103
Isabella	2,194	13	530	1,651	0	1,405	789	13	819
Jackson	6,102	21	1,581	4,500	1,048	3,886	1,168	23	2,247
Kalamazoo	10,274	30	2,329	7,915	1,135	7,268	1,871	37	3,360
Kalkaska	624	2	145	477	0	343	281	2	251
Kent	21,289	68	5,542	15,679	809	14,621	5,859	74	7,827
Keweenaw	79	0	24	55	0	29	50	0	37
Lake	485	4	102	379	0	287	198	4	155
Lapeer	2,591	17	693	1,881	104	1,481	1,006	20	1,065
Leelanau	539	6	102	431	0	224	315	6	141
Lenawee	3,501	12	900	2,589	0	1,977	1,524	17	1,357
Livingston	4,057	22	1,176	2,859	746	2,613	698	26	1,729
Luce	212	1	54	157	0	95	117	1	77
Mackinac	558	3	100	455	76	153	329	3	159
Macomb	28,179	80	8,745	19,354	1,435	18,195	8,549	87	12,925
Manistee	1,004	2	208	794	0	548	456	2	295
Marquette	2,692	7	567	2,118	0	1,631	1,061	9	835
Mason	1,235	4	249	982	0	725	510	4	379
Mecosta	1,801	4	311	1,486	0	964	837	4	480
Menominee	1,577	2	234	1,341	0	909	668	4	340
Midland	2,895	10	682	2,203	0	2,168	727	10	978
Missaukee	508	2	86	420	0	278	230	2	137
Monroe	4,277	29	1,336	2,912	426	2,518	1,333	32	1,999
Montcalm	2,256	7	488	1,761	0	1,300	956	9	738
Montmorency	445	3	81	361	0	226	219	3	140
Muskegon	6,432	24	1,768	4,640	371	4,494	1,567	26	2,639
Newaygo	1,593	11	383	1,199	0	935	658	11	626
Oakland	46,182	145	14,065	31,972	4,143	31,966	10,073	161	20,711
Oceana	767	3	186	578	0	519	248	3	299
Ogemaw	931	4	155	772	189	521	221	4	228
Ontonagon	306	1	48	257	0	85	221	1	71
Osceola	1,153	3	208	942	0	563	590	6	322
Oscoda	440	2	73	365	0	216	224	2	107
Otsego	763	8	189	566	106	487	170	8	295
Ottawa	5,874	20	1,628	4,226	279	4,023	1,572	22	2,409
Presque Isle	581	2	64	515	0	276	305	2	93
Roscommon	983	4	228	751	82	432	469	4	344
Saginaw	9,342	35	2,483	6,824	533	5,725	3,084	39	3,675
St. Clair	5,020	28	1,242	3,750	860	2,910	1,250	32	1,902
St. Joseph	2,434	17	634	1,783	0	1,209	1,225	25	993
Sanilac	1,500	7	353	1,140	0	762	738	8	586
Schoolcraft	371	2	69	300	0	154	217	3	118
Shiawassee	2,569	17	730	1,822	232	1,478	859	19	1,066
Tuscola	1,932	15	508	1,409	0	1,148	784	17	750
Van Buren	2,302	13	683	1,606	366	1,358	578	15	1,058
Washtenaw	10,819	36	2,938	7,845	1,385	6,844	2,590	42	4,095
Wayne	92,801	255	28,631	63,915	8,422	62,410	21,969	272	42,969
Wexford	1,536	8	376	1,152	0	575	961	8	560
TOTALS	386,904	1,411	106,438	279,055	30,230	246,959	109,715	1,569	157,417

MOTOR VEHICLE TRAFFIC DEATHS BY COUNTY

County	1981	1982	1983	1984	1985	5 Year Total
POPULATION UNDER 10,000						
Alcona..........	3	1	1	1	4	10
Alger...........	2	1	1	2	5	11
Baraga..........	2	2	3	3	7	17
Crawford........	2	3	2	4	4	15
Keweenaw........	0	1	1	0	0	2
Lake............	5	3	5	0	4	17
Luce............	2	1	3	3	1	10
Montmorency.....	0	3	2	3	3	11
Ontonagon.......	1	6	3	3	1	14
Oscoda..........	4	3	4	5	2	18
Schoolcraft.....	3	5	0	0	3	11
POPULATION 10,000-15,000						
Arenac..........	10	7	3	7	7	34
Benzie..........	2	2	5	2	2	13
Iron............	2	0	1	3	0	6
Kalkaska........	3	7	4	3	2	19
Leelanau........	3	4	0	6	6	19
Mackinac........	12	6	6	6	3	33
Missaukee.......	4	1	1	8	2	16
Otsego..........	4	3	6	5	8	26
Presque Isle....	5	4	1	3	2	15
POPULATION 15,000-25,000						
Antrim..........	2	2	3	2	10	19
Charlevoix......	8	2	5	6	4	25
Cheboygan.......	2	5	3	3	1	14
Clare...........	12	5	5	14	4	40
Emmet...........	3	7	5	7	12	34
Gladwin.........	3	3	4	9	1	20
Gogebic.........	4	2	7	4	1	18
Manistee........	11	7	3	2	2	25
Oceana..........	11	9	6	8	3	37
Ogemaw..........	4	8	8	6	4	30
Osceola.........	8	10	8	6	6	38
Roscommon.......	8	1	4	6	4	23

MOTOR VEHICLE TRAFFIC DEATHS BY COUNTY (Continued)

County	1981	1982	1983	1984	1985	5 Year Total
POPULATION 25,000-50,000						
Alpena..........	4	14	6	1	6	31
Barry...........	13	19	12	10	14	68
Branch..........	6	5	15	7	8	41
Cass............	14	9	13	19	7	62
Chippewa........	13	8	2	7	3	33
Delta...........	6	6	7	4	7	30
Dickinson.......	9	1	6	4	3	23
Gratiot.........	8	11	8	11	12	50
Hillsdale.......	13	7	14	15	11	60
Houghton........	5	5	6	5	6	27
Huron...........	14	7	2	14	13	50
Iosco...........	6	6	10	12	7	41
Mason...........	4	4	14	6	4	32
Mecosta.........	7	7	13	8	4	39
Menominee.......	6	7	4	3	4	24
Montcalm........	17	13	12	16	9	67
Newaygo.........	18	5	12	4	11	50
Sanilac.........	11	12	8	7	8	46
Wexford.........	8	6	10	8	8	40
POPULATION 50,000-100,000						
Allegan.........	25	21	20	18	32	116
Clinton.........	12	12	14	20	13	71
Eaton...........	16	13	12	18	21	80
Grand Traverse..	14	16	10	12	16	68
Ionia...........	8	6	17	12	14	57
Isabella........	16	12	18	15	13	74
Lapeer..........	13	17	23	18	20	91
Lenawee.........	18	17	17	19	17	88
Marquette.......	17	7	11	8	9	52
Midland.........	16	13	11	6	10	56
Shiawassee......	24	17	10	19	19	89
St. Joseph......	16	10	11	21	25	83
Tuscola.........	11	8	10	15	17	61
Van Buren.......	18	16	11	17	15	77
POPULATION OVER 100,000						
Bay.............	18	20	11	19	16	84
Berrien.........	45	24	23	40	45	177
Calhoun.........	26	18	16	25	29	114
Genesee.........	72	86	56	86	70	370
Ingham..........	25	33	33	27	33	151
Jackson.........	39	28	28	25	23	143
Kalamazoo.......	23	21	21	26	37	128
Kent............	68	62	68	64	74	336
Livingston......	28	20	31	24	26	129
Macomb..........	85	83	65	105	87	425
Monroe..........	27	34	24	39	32	156
Muskegon........	28	31	25	27	25	136
Oakland.........	148	151	117	132	161	709
Ottawa..........	24	14	19	29	22	108
Saginaw.........	33	36	30	45	39	183
St. Clair.......	27	37	23	41	32	160
Washtenaw.......	36	38	33	59	42	208
Wayne...........	286	220	226	224	272	1,228
TOTALS.............	1,589	1,417	1,331	1,556	1,569	7,462

MOTOR VEHICLE TRAFFIC DEATHS IN SELECTED CITIES
10,000 POPULATION AND OVER

City	1981	1982	1983	1984	1985	5 Year Total
POPULATION 10,000-15,000						
Albion..........	0	0	0	0	0	0
Alpena..........	1	2	3	0	0	6
Benton Harbor...	3	2	3	3	4	15
Beverly Hills...	0	0	1	0	1	2
Big Rapids......	1	0	2	0	0	3
Center Line.....	1	2	2	4	0	9
East Grand Rapids	0	1	0	0	0	1
Ecorse..........	2	1	1	0	1	5
Escanaba........	2	1	2	0	1	6
Farmington......	2	0	0	0	0	2
Fraser..........	2	2	1	5	1	11
Grand Haven.....	1	0	0	0	2	3
Grandville......	0	1	0	1	1	3
Grosse Pointe Farms	1	0	0	1	0	2
Grosse Pointe Park	0	0	0	2	0	2
Melvindale......	1	0	1	2	0	4
Menominee.......	2	0	0	1	0	3
Muskegon Heights	1	2	1	1	1	6
Niles...........	1	1	0	1	2	5
Plymouth........	0	1	1	0	0	2
River Rouge.....	1	0	0	0	1	2
Riverview.......	4	3	2	0	2	11
St. Joseph......	0	0	3	0	0	3
Sault Ste. Marie	0	0	1	0	1	2
POPULATION 15,000-25,000						
Adrian..........	1	2	1	2	7	13
Berkley.........	3	1	1	1	0	6
Birmingham......	3	2	1	0	2	8
Clawson.........	0	0	0	2	3	5
Grosse Pointe Woods	0	1	0	0	0	1
Hamtramck.......	2	0	0	0	2	4
Harper Woods....	3	5	0	2	0	10
Hazel Park......	0	2	2	3	1	8
Holland.........	2	2	1	1	2	8
Marquette.......	4	0	3	1	3	11
Monroe..........	3	4	1	2	2	12
Mount Clemens...	1	2	2	2	3	10
Mount Pleasant..	0	2	2	1	2	7
Norton Shores...	6	5	3	3	1	18
Owosso..........	1	0	0	1	1	3
Romulus.........	8	6	9	6	9	38
Traverse City...	1	3	1	2	0	7
Trenton.........	1	1	0	1	3	6
Walker..........	4	5	4	2	4	19
Wayne...........	1	0	0	2	5	8
Ypsilanti.......	2	1	2	2	2	9

MOTOR VEHICLE TRAFFIC DEATHS IN SELECTED CITIES 10,000 POPULATION AND OVER (Continued)

City	1981	1982	1983	1984	1985	5 Year Total
POPULATION 25,000-50,000						
Allen Park......	5	1	1	1	1	9
Battle Creek....	4	3	4	9	8	28
Bay City........	5	3	1	1	2	12
East Detroit....	3	3	1	2	3	12
Ferndale........	5	3	0	3	4	15
Garden City.....	0	1	1	6	1	9
Highland Park...	6	1	0	3	7	17
Inkster.........	3	5	1	1	1	11
Jackson.........	5	4	2	0	4	15
Kentwood........	2	5	4	3	3	17
Lincoln Park....	5	4	8	5	1	23
Madison Heights.	2	4	2	1	4	13
Midland.........	2	5	5	1	1	14
Muskegon........	4	2	3	5	3	17
Oak Park........	1	3	0	2	0	6
Port Huron......	2	3	1	6	6	18
Portage.........	3	2	3	6	7	21
Southgate.......	2	3	5	3	1	14
Wyandotte.......	1	0	2	1	2	6
POPULATION OVER 50,000						
Ann Arbor.......	4	7	4	7	1	23
Dearborn........	11	12	10	15	17	65
Dearborn Heights	7	3	4	5	3	22
Detroit.........	148	107	112	128	161	656
East Lansing....	1	4	7	0	3	15
Flint...........	16	17	14	17	23	87
Grand Rapids....	10	14	18	15	9	66
Kalamazoo.......	2	3	4	5	4	18
Lansing.........	11	10	10	9	11	51
Livonia.........	13	13	8	6	6	46
Pontiac.........	6	9	5	8	12	40
Roseville.......	9	7	4	5	5	30
Royal Oak.......	4	7	6	7	2	26
Saginaw.........	7	9	6	8	4	34
St. Clair Shores	3	6	6	9	3	27
Southfield......	13	11	2	4	7	37
Sterling Heights	14	7	9	13	15	58
Taylor..........	14	9	13	2	8	46
Troy............	8	10	12	9	15	54
Warren..........	17	15	11	23	14	80
Westland........	7	7	10	8	5	37
Wyoming.........	10	9	2	4	9	34

DEATHS, INJURIES, AND ACCIDENTS BY LOCATION

		Statewide		Rural	
Year	Total	Urban	Rural	Trunk-line	County Road
DEATHS					
1966........	2,298	748	1,550	812	738
1967........	2,137	719	1,418	734	684
1968........	2,392	703	1,689	865	824
1969........	2,487	769	1,718	908	810
1970........	2,177	662	1,515	746	769
1971........	2,152	661	1,491	737	754
1972........	2,258	737	1,521	743	778
1973........	2,213	709	1,504	730	774
1974........	1,875	640	1,235	533	702
1975........	1,811	610	1,201	692	509
1976........	1,955	691	1,264	569	695
1977........	1,950	628	1,322	605	717
1978........	2,076	677	1,399	641	758
1979........	1,849	580	1,269	579	690
1980........	1,774	601	1,173	518	655
1981........	1,589	533	1,056	451	605
1982........	1,417	484	933	422	511
1983........	1,331	433	898	355	543
1984........	1,556	486	1,070	450	620
1985........	1,569	524	1,045	470	575
INJURIES					
1966........	156,694	97,983	58,711	26,907	31,804
1967........	151,297	95,583	55,714	26,122	29,592
1968........	160,413	99,813	60,600	27,386	33,214
1969........	175,400	114,409	60,991	27,790	33,201
1970........	161,719	102,960	58,759	26,205	32,554
1971........	157,664	99,762	57,902	25,890	32,012
1972........	178,929	115,834	63,095	28,147	34,948
1973........	169,485	108,170	61,315	25,599	35,716
1974........	141,132	88,755	52,377	20,209	32,168
1975........	147,299	91,573	55,726	21,053	34,673
1976........	162,894	99,704	63,190	25,251	37,939
1977........	166,389	99,612	66,777	26,927	39,850
1978........	169,202	99,533	69,669	28,194	41,475
1979........	162,571	97,167	65,404	26,171	39,233
1980........	144,972	85,760	59,212	22,508	36,704
1981........	136,455	80,736	55,719	21,431	34,288
1982........	130,061	76,885	53,176	21,024	32,152
1983........	135,811	80,792	55,019	21,457	33,562
1984........	150,740	89,912	60,828	24,427	36,401
1985........	157,417	94,355	63,062	25,628	37,434
ACCIDENTS					
1966........	302,880	215,172	87,708	38,875	48,833
1967........	299,004	212,094	86,910	38,233	48,677
1968........	305,495	209,854	95,641	42,021	53,620
1969........	331,223	231,375	99,848	44,131	55,717
1970........	313,715	210,932	102,783	44,984	57,799
1971........	314,015	204,095	109,920	48,941	60,979
1972........	359,745	236,116	123,629	53.673	69,956
1973........	350,864	228,660	122,204	50,431	71,773
1974........	324,763	210,716	114,047	43,396	70,651
1975........	333,560	213,934	119,626	44,707	74,919
1976........	365,600	232,293	133,307	52,401	80,906
1977........	374,751	232,322	142,429	55,813	86,616
1978........	389,193	239,201	149,992	58,582	91,410
1979........	366,435	226,717	139,718	54,759	84,959
1980........	314,594	189,285	125,309	46,853	78,456
1981........	302,831	180,528	122,303	46,378	75,925
1982........	294,971	176,752	118,219	45,222	72,997
1983........	300,797	178,906	121,891	46,387	75,504
1984........	335,193	198,846	136,347	53,865	82,482
1985........	386,904	231,318	155,586	62,087	93,499

MOTOR VEHICLE TRAFFIC DEATHS IN MICHIGAN BY MONTH

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1937......	189	127	149	142	161	176	221	234	202	224	181	169	2,175
1938......	118	65	84	91	109	99	126	139	153	164	161	145	1,454
1939......	101	89	103	80	118	122	172	150	128	166	164	187	1,580
1940......	122	98	137	99	130	141	127	161	158	216	184	157	1,730
1941......	131	128	152	128	193	178	195	231	176	230	219	172	2,133
1942......	139	114	89	96	129	92	120	125	146	109	87	79	1,325
1943......	59	51	79	44	75	89	82	67	110	118	96	122	992
1944......	130	100	81	82	49	57	59	95	68	97	116	100	1,034
1945......	71	60	85	78	74	71	94	88	118	160	131	120	1,150
1946......	107	98	121	80	110	106	119	130	123	143	160	165	1,470
1947......	96	86	85	113	124	114	134	149	134	142	145	135	1,447
1948......	89	64	92	109	125	118	138	134	150	133	165	195	1,512
1949......	101	82	106	91	110	99	116	138	169	144	149	136	1,441
1950......	105	84	87	139	122	125	153	152	157	174	154	153	1,605
1951......	131	103	103	117	119	137	170	163	158	146	160	133	1,640
1952......	81	121	125	94	145	169	140	184	181	152	166	178	1,736
1953......	139	116	136	132	136	173	176	183	187	187	167	175	1,905
1954......	130	126	100	119	149	132	182	167	168	167	153	200	1,793
1955......	134	117	116	160	157	192	169	209	160	204	208	190	2,016
1956......	166	136	132	140	133	115	149	159	169	144	145	158	1,746
1957......	121	98	118	118	130	122	127	152	123	143	135	161	1,548
1958......	94	90	95	89	92	112	120	134	132	113	165	146	1,382
1959......	76	69	91	126	126	124	148	128	155	125	144	161	1,473
1960......	139	76	102	105	107	133	159	154	137	186	152	154	1,604
1961......	105	99	113	138	133	114	141	166	128	139	148	143	1,567
1962......	94	70	115	110	123	147	166	175	170	172	118	114	1,574
1963......	107	95	124	142	148	173	188	177	163	179	196	195	1,887
1964......	170	159	158	144	164	167	217	197	177	199	177	193	2,122
1965......	153	113	135	143	156	181	211	220	193	214	172	245	2,136
1966......	147	156	179	151	207	204	212	206	203	220	205	208	2,298
1967......	130	105	141	162	187	140	210	189	223	230	216	204	2,137
1968......	130	147	164	150	240	214	208	233	209	248	283	166	2,392
1969......	137	158	173	169	239	236	218	254	230	236	219	218	2,487
1970......	167	143	160	141	214	205	197	204	213	217	178	138	2,177
1971......	137	124	155	144	187	212	222	227	155	209	202	178	2,152
1972......	156	161	155	150	204	209	225	210	225	219	174	170	2,258
1973......	187	156	173	140	180	230	225	201	204	209	171	137	2,213
1974......	111	112	107	116	144	197	189	178	200	195	201	125	1,875
1975......	120	97	112	93	149	169	195	203	190	162	161	160	1,811
1976......	118	102	134	150	163	169	196	227	189	171	174	162	1,955
1977......	126	87	122	143	184	179	223	194	164	189	181	158	1,950
1978......	98	104	128	177	178	203	206	229	214	199	183	157	2,076
1979......	102	103	129	152	146	155	190	171	174	187	171	169	1,849
1980......	117	131	109	116	153	170	142	183	192	152	133	176	1,774
1981......	99	100	108	116	116	155	159	171	149	155	113	148	1,589
1982......	98	79	93	91	114	121	154	153	128	144	131	111	1,417
1982......	113	94	83	91	91	127	121	117	131	153	115	95	1,331
1984......	93	84	104	94	125	143	175	174	135	153	134	142	1,556
1985......	108	91	77	133	137	167	146	136	131	135	161	147	1,569

TREND DATA FOR FATAL ACCIDENTS

Trend Data	1981	1982	1983	1984	1985
AGE OF PERSONS KILLED, TOTAL					
0 - 4 years............	24	22	23	29	35
5 - 9 years............	53	37	35	37	57
10 - 14 years...........	57	48	47	54	55
15 - 19 years...........	224	219	222	249	216
20 - 24 years...........	268	223	232	242	238
25 - 34 years...........	343	297	269	330	317
35 - 44 years...........	172	146	152	168	182
45 - 54 years...........	134	122	109	113	119
55 - 64 years...........	113	118	80	121	121
65 - 74 years...........	97	80	65	110	104
75 years and over........	96	100	95	101	124
Not Stated..............	8	5	2	2	1
TOTALS.....................	1,589	1,417	1,331	1,556	1,569
AGE OF PERSONS KILLED, PEDESTRIANS					
0 - 4 years............	7	9	9	7	6
5 - 9 years............	30	19	18	18	26
10 - 14 years...........	24	10	15	12	16
15 - 19 years...........	29	21	34	29	25
20 - 24 years...........	26	32	26	13	18
25 - 34 years...........	38	37	39	50	42
35 - 44 years...........	23	24	23	27	33
45 - 54 years...........	17	15	12	21	13
55 - 64 years...........	23	20	20	27	24
65 - 74 years...........	28	12	15	20	18
75 years and over........	25	28	30	25	29
Not Stated..............	4	0	0	1	1
TOTALS.....................	274	227	241	250	251
AGE OF DRIVERS INVOLVED					
15 years and under.......	16	9	11	13	15
16 years.................	31	44	41	49	65
17 years.................	95	59	56	73	69
18 - 19 years...........	162	159	141	184	170
20 - 24 years...........	419	352	344	384	408
25 - 34 years...........	577	494	464	556	548
35 - 44 years...........	302	244	249	301	318
45 - 54 years...........	228	201	162	173	188
55 - 64 years...........	145	154	124	150	159
65 years and over........	160	148	135	174	185
Not Stated..............	57	63	37	58	64
TOTALS.....................	2,192	1,927	1,764	2,115	2,189
PEDESTRIAN ACTION					
Crossing at intersection	35	42	32	47	51
Cross not at intersection	105	78	98	88	96
In road with traffic.....	29	38	23	23	25
In road against traffic..	7	5	9	6	3
Standing or lying in road	52	36	48	39	12
Pushing/working on vehicle	6	4	4	3	4
Other working in road....	2	1	0	0	1
Playing in road..........	8	0	0	0	1
In road for other reason.	4	4	8	10	24
Not in road.............	25	17	18	24	18
Other or not stated......	1	2	1	10	16
TOTALS..................	274	227	241	250	251

FATAL ACCIDENTS AND PERSONS KILLED FOR SELECTED HOLIDAY PERIODS IN MICHIGAN

Holiday	Fatal Accidents	Persons Killed
MEMORIAL DAY		
1985 (3)......	18	23
1984 (3)......	14	18
1983 (3)......	11	13
1982 (3)......	9	9
1981 (3)......	9	12
FOURTH OF JULY		
1985 (4)......	15	17
1984 (1)......	8	8
1983 (3)......	21	22
1982 (3)......	28	30
1981 (3)......	18	22
LABOR DAY		
1985 (3)......	14	17
1984 (3)......	17	19
1983 (3)......	17	17
1982 (3)......	21	21
1981 (3)......	16	17
THANKSGIVING		
1985 (4)......	22	23
1984 (4)......	18	19
1983 (4)......	11	12
1982 (4)......	23	27
1981 (4)......	12	13
CHRISTMAS		
1985 (2)......	7	9
1984 (4)......	18	20
1983 (3)......	5	5
1982 (3)......	16	19
1981 (3)......	14	15
NEW YEARS		
1985 (2)......	4	5
1984 (4)......	25	25
1983 (3)......	8	8
1982 (3)......	9	9
1981 (3)......	12	17

Summary for 1985

This schedule shows traffic death tolls in Michigan for the past five years for the major holiday periods.

Based on the total 1985 experience, average daily deaths were 4.3 persons per day.

All weekend deaths, Saturdays and Sundays, plus six hours of the preceding Fridays, totaled 679 which is an average of 13.1 deaths per weekend.

From experience, it is evident that Michigan's highways have their share of tragedies.

Figures in parentheses show number of full days in each holiday period. Deaths are for these days plus the last six hours of the preceding day.

MOTOR VEHICLE TRAFFIC ACCIDENT AND RELATED DATA

Year	Deaths	Injuries	Accidents	Estimated Mileage (Millions)	Motor Vehicle Registrations*	Death Rate**
1938	1,454	22,891	71,114	12,872.8	1,416,514	11.3
1939	1,580	28,465	91,965	14,062.7	1,482,485	11.2
1940	1,730	34,247	116,154	15,132.3	1,563,635	11.4
1941	2,133	40,708	133,236	17,043.5	1,717,449	12.5
1942	1,325	28,967	100,125	13,900.3	1,626,861	9.5
1943	992	21,988	71,450	10,530.0	1,542,798	9.4
1944	1,034	23,401	72,013	10,651.0	1,505,246	9.7
1945	1,150	27,755	83,160	11,915.6	1,483,466	9.7
1946	1,470	34,479	110,631	16,191.1	1,619,541	9.1
1947	1,447	38,195	137,619	17,661.1	1,850,274	8.2
1948	1,512	40,892	140,172	19,069.2	2,030,685	7.9
1949	1,441	41,197	143,197	19,990.4	2,203,375	7.2
1950	1,605	45,734	161,750	21,494.5	2,439,593	7.5
1951	1,640	48,418	176,587	22,668.1	2,560,652	7.2
1952	1,736	49,119	160,829	23,093.1	2,586,834	7.5
1953	1,905	57,834	184,174	25,346.9	2,808,921	7.5
1954	1,793	56,444	185,534	26,041.2	2,889,740	6.9
1955	2,016	62,234	196,812	28,282.5	3,149,323	7.1
1956	1,746	61,158	197,995	28,429.3	3,173,704	6.1
1957	1,548	60,067	191,915	29,252.2	3,256,150	5.3
1958	1,382	57,767	177,934	29,411.3	3,157,441	4.7
1959	1,473	64,873	198,771	30,679.0	3,252,492	4.8
1960	1,604	91,026	209,724	31,842.4	3,352,234	5.0
1961	1,567	93,350	199,973	32,101.5	3,395,736	4.9
1962	1,574	108,143	233,078	34,498.0	3,498,758	4.6
1963	1,887	126,896	261,794	36,452.2	3,646,080	5.2
1964	2,122	144,623	284,444	38,617.6	3,860,791	5.5
1965	2,136	155,258	310,598	40,857.4	4,066,826	5.2
1966	2,298	156,694	302,880	43,940.1	4,133,199	5.2
1967	2,137	151,297	299,004	45,053.6	4,161,573	4.7
1968	2,392	160,413	305,495	48,047.4	4,327,865	5.0
1969	2,487	175,400	331,223	50,904.9	4,560,097	4.9
1970	2,177	161,719	313,715	53,148.1	4,683,919	4.1
1971	2,152	157,664	314,015	55,539.7	4,835,146	3.9
1972	2,258	178,929	359,745	57,817.1	5,160,985	3.9
1973	2,213	169,485	350,864	58,478.4	5,442,233	3.8
1974	1,875	141,132	324,763	55,748.7	5,652,406	3.4
1975	1,811	147,299	333,560	56,260.5	5,744,441	3.2
1976	1,955	162,894	365,600	61,638.0	5,861,908	3.2
1977	1,950	166,389	374,751	64,[illegible].0	6,138,732	3.0
1978	2,076	169,202	389,193	67,380.0	6,436,365	3.1
1979	1,849	162,571	366,435	64,882.3	6,536,246	2.8
1980	1,774	144,972	314,594	61,190.1	6,570,735	2.9
1981	1,589	136,455	302,831	62,000.0	6,140,286	2.6
1982	1,417	130,061	294,971	61,321.0	6,400,942	2.3
1983	1,331	135,811	300,797	63,560.1	6,443,499	2.1
1984	1,556	150,740	335,193	65,727.0	6,509,192	2.4
1985	1,569	157,417	389,904	68,413.0	6,857,364	2.3

*Excludes trailers and trailer coaches.
**Deaths per 100 million miles of travel.

S3997-2-U

MICHIGAN TRAFFIC ACCIDENT FACTS 1986

WRONG WAY
STOP
KEEP RIGHT
SPEED LIMIT 55 MINIMUM 45
YIELD

prepared by the
Michigan Department of
State Police

PREFACE

Following a trend begun last year, 1986 traffic fatalities reflected an increase as the toll reached 1,632.

Compared with 1985, road deaths were up 4.0 percent, injuries climbed 0.4 percent, and total accidents were up 3.6 percent. These figures translated into a death rate of 2.3 per 100 million miles of travel, statistically the same as in 1985.

Exposure factors in 1986 showed across the board increases. They included motor vehicle registrations up 1.3 percent to 6.95 million; vehicle travel mileage up 3.2 percent to 70.6 billion; and the number of licensed drivers up 0.6 percent to 7.24 million.

Factors influencing the traffic death toll and rate in 1986 were felt to include the trend toward higher speeds, increased alcohol involvement in fatal accidents, and increased travel. These factors, in combination, increased the fatality count and tended to counter some of the benefits of safety belt usage.

Data on accidents in this booklet were obtained from individual reports and summaries provided by local police departments, sheriff jurisdictions, and the Department of State Police. Other related information was obtained from the Departments of Transportation, State, and Public Health.

We acknowledge, with appreciation, all involved agencies for their assistance.

R.T. Davis

Col. R.T. Davis
Director
Michigan Department of State Police

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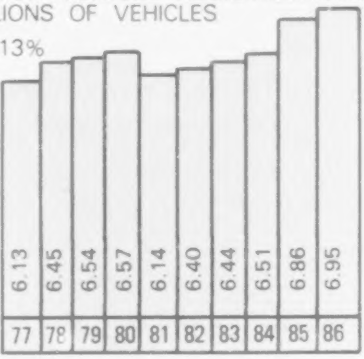
1986 QUICK FACTS

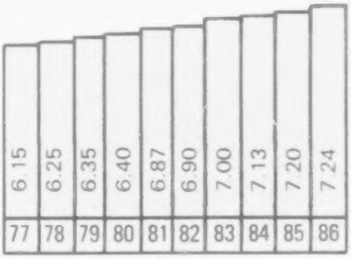
- There were **400,694** reported accidents of which **107,323** were personal injury type and **291,905** were property damage type accidents.
- A traffic accident was reported every **1** minute **19** seconds.
- Children under the age of 15 accounted for **45.8** percent of the bicycle deaths.
- One person was killed every **5** hours and **22** minutes as a result of a traffic accident.
- Of those fatal accidents where the drinking condition was determined, **49.6** percent indicated that alcohol was a factor.
- There were **158,032** persons injured, crippled, or maimed in accidents.
- One person was injured every **3** minutes and **20** seconds in a traffic accident in Michigan in 1986.
- The economic loss in Michigan traffic accidents amounted to **$1,958,400,000.**
- For each person killed there were **96.8** persons injured.
- Excessive speed was indicated as the hazardous action by **26** percent of the drivers involved in fatal accidents.
- Of the **2,234** drivers involved in fatal accidents, **14.7** percent were under 20 years of age and **32.5** percent of all drivers involved in fatal accidents were under 25 years of age.
- Of all fatal accidents, **30.7** percent occurred at intersections.
- In the last five years, **7,505** persons have been killed in Michigan traffic accidents. This is an average of **1,501** per year. During the previous five-year period, **9,238** persons were killed for an average of **1,848** per year.
- One out of every **5,604** persons living in Michigan was killed in a traffic accident; one out of every **58** persons was injured.
- The **1,632** persons killed were the result of **1,466** fatal accidents for an average of **1.11** deaths per fatal accident.
- **59.1** percent of all accidents occurred in URBAN areas, BUT **66.9** percent of all traffic deaths occurred in RURAL areas.
- The pedestrian death toll for Michigan stands at **239** persons. This represents a decrease of **12** deaths from the 1985 figure.
- For each pedestrian killed, there were **19.5** pedestrians injured.
- Of the pedestrians killed, **40** percent were killed while crossing streets other than at intersections.
- Of the pedestrians killed, **29.7** percent were under the age of 20 years and **28.5** percent were 55 and older.
- During the past five years, a total of **1,208** pedestrians have been killed, an average of **242** per year.
- Of the **938,623** vehicle occupants involved in accidents, **730,686** or **77.8** percent were using occupant restraints.

MICHIGAN TRAFFIC TRENDS (1977-1986)

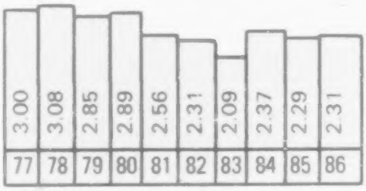
MOTOR VEHICLE REGISTRATIONS
MILLIONS OF VEHICLES
UP 13%



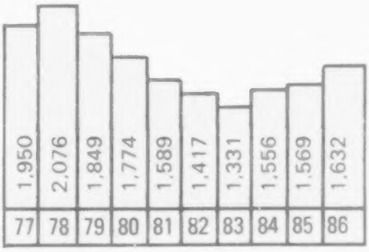
TOTAL DRIVERS
MILLIONS OF DRIVERS
UP 18%



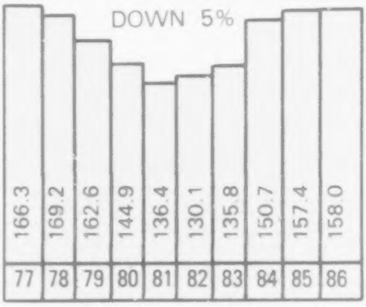
MILEAGE DEATH RATE
DEATHS PER 100 MILLION VEHICLE MILES
DOWN 23%



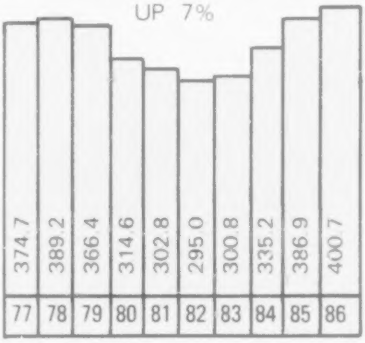
DEATHS
NUMBER OF DEATHS
DOWN 16%



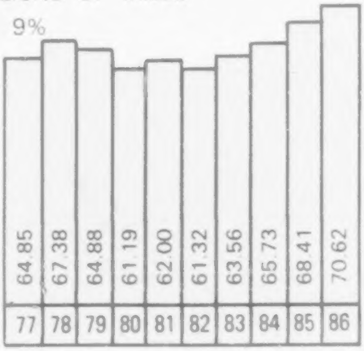
INJURIES
THOUSANDS OF INJURIES
DOWN 5%



ACCIDENTS
THOUSANDS OF ACCIDENTS
UP 7%



VEHICLE MILES TRAVELED
BILLIONS OF MILES
UP 9%



A fatality was counted when a person died due to injuries from a traffic accident, up to one year after the accident. Starting in 1979 this time period was reduced to 90 days after the accident.

1985-1986 SUMMARY TRENDS

- Total accidents increased **3.6%** statewide.
- Fatal accidents increased **3.9%**.
- Persons killed increased **4.0%**.
- Injury accidents increased **0.8%**.
- Persons injured increased **0.4%**.
- Persons sustaining "A" type injuries (the most serious) increased **5.0%**.
- Vehicle occupants, driver and passenger deaths increased **10.1%**.
- Non vehicle occupants, pedestrians, bicyclists, motorcyclists, farm equipment, and other deaths decreased **10.6%**.
- Drinking was a factor in **49.6%** of all fatal accidents where the drinking condition was reported, an increase of **6.7%**.

ANNUAL SUMMARY	1985	1986	PERCENT CHANGE
NUMBER OF ACCIDENTS			
Total Accidents	386,904	400,694	+ 3.6
Fatal Accidents	1,411	1,466	+ 3.9
Personal Injury Accidents	106,438	107,323	+ 0.8
Property Damage Accidents	279,055	291,905	+ 4.6
PERSONS KILLED			
Male	1,079	1,105	+ 2.4
Female	490	527	+ 7.6
TOTAL	1,569	1,632	+ 4.0
Drivers	724	808	+ 11.6
Passengers	383	411	+ 7.3
Pedestrians	251	239	- 4.8
Bicyclists	46	48	+ 4.3
Motorcyclists	142	110	- 22.5
Farm Equipment	3	6	+100.0
Other	20	10	- 50.0
TOTAL	1,569	1,632	+ 4.0
DRINKING IN FATAL ACCIDENTS			
Had Been Drinking	645(45.7%)	721(49.2%)	+ 11.8
Had Not Been Drinking	741(52.5%)	733(50.0%)	- 1.1
Unknown Drinking	25 (1.8%)	12 (0.8%)	- 52.0
PERSONS INJURED			
"A" Injury	22,064	23,169	+ 5.0
"B" Injury	45,097	44,728	- 0.8
"C" Injury	90,256	90,135	- 0.1
TOTAL	157,417	158,032	+ 0.4
PERSONS IN ACCIDENTS			
Killed and Injured	158,986	159,664	+ 0.4
Not Injured	834,631	862,424	+ 3.3
TOTAL	993,617	1,022,088	+ 2.9

The continuous presence of alcohol as a factor in accidents indicates a need for more legislation in the accident field whereby all drivers involved in accidents would be subjected to a chemical test to determine their blood-alcohol content.

As a measure of accomplishment, Michigan's death rate per 100 million miles has been driven downward from an all-time high of 16.8 in 1935 to the moderate low of 2.3 for this year. Applying the 100 million mile death rate unit to the past three decades will reveal marked progress in the effort to save lives on the state's roadways.

A multi-factored effort may be credited with this overall improvement and rests largely on some rather exhaustive participation by several disciplines. Improved highway engineering techniques, technical advances in automobile design and manufacture, emergency medical treatment advancement, more adequately trained drivers, and the efficient use of selective enforcement have all been responsible for this better experience.

Traffic accidents, in general, result from various causes, direct and indirect. The three elements of traffic: the driver, the highway, and the motor vehicle, contribute, in some measure, to every accident. A preponderance of evidence, however, points to driver error as the chief cause of the majority of accidents.

Many common driver failures can be cited as contributory factors in accidents. Without any particular priority, enforcement investigation shows irresponsible attitude, lack of skill, inattention, fatigue, physical impairment, lack of knowledge, and failure to drive defensively as some of the accident-producing factors. It may be noted that the more experienced driver compensates for many of these self-induced mistakes, drawing on learned skills and experiential techniques.

Significantly, driver age group 15-24 represents 20.1 percent of the total licensed drivers in Michigan. However, they account for a disproportionate number of all accidents at 30.8 percent and an involvement of 32.5 percent in all fatal accidents. Comparing other ten-year age groupings with this record underscores the high risk potential of the group and strengthens conclusions drawn from past law enforcement experiences.

One of the best prospects for accident reduction and safer driving is a quality driver education and driver improvement program. This program enrolls 97 percent of eligible students in qualifying courses annually. Driver improvement schools, relating to courts, work to reestablish proper driving skills and attitudes in problem drivers.

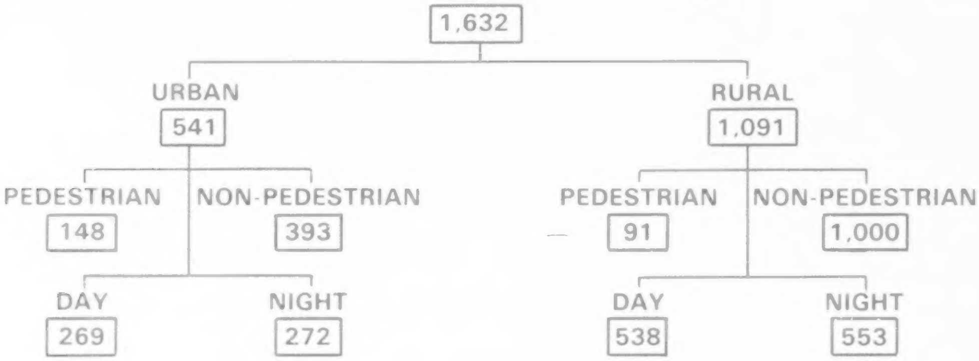
With the entrance of the Federal Government into the state traffic safety field (Highway Safety Act of 1966), an acceleration of research and development is producing promising dividends. Variables such as highway design, attitudinal research, and program studies are being given a closer look with an eye toward more comprehensive accident prevention planning. Conclusions cannot be easily reached and the complexity of the total problem demands intensified enforcement participation.

With exposure factors of increased traffic continuing to mount, it is obvious that every effort must be made to implement effective programs. The combined Federal-State jurisdictions will need maximum support from officials and citizens alike if the present trend is to be continued and more lives are to be saved.

PRINCIPAL CLASSES OF MOTOR-VEHICLE DEATHS

About two out of every three deaths in 1986 occurred in places classified as rural. In URBAN areas, 27.4 percent of the victims were pedestrians and in RURAL areas, 82.1 percent of the victims were occupants of motor vehicles. Approximately 51 percent of all deaths occurred in night accidents.

Total Pedestrians	239	Total Day	807
Total Non-Pedestrians	1,393	Total Night	825



FATAL ACCIDENTS BY DATE AND MONTH

Date	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
01.....	2	3	1	4	4	9	5	4	6	3	7	1	49
02.....	2	1	2	4	5	1	7	12	4	5	4	6	53
03.....	3	2	2	5	5	4	6	1	5	3	4	3	43
04.....	1	2	4	*	3	4	5	1	4	4	2	4	34
05.....	2	3	1	8	5	5	9	3	8	5	5	6	60
06.....	2	4	3	3	3	7	7	5	5	2	4	8	53
07.....	4	3	4	4	1	3	2	3	6	4	6	5	45
08.....	2	2	8	1	1	6	5	6	*	3	7	5	46
09.....	5	*	3	2	5	4	4	7	1	3	4	6	44
10.....	3	1	4	3	7	3	3	11	3	6	4	1	49
11.....	3	3	3	5	5	5	6	5	2	9	2	3	51
12.....	3	4	2	7	1	6	8	4	5	5	5	6	56
13.....	3	5	2	3	5	6	7	5	5	*	3	3	47
14.....	3	2	2	1	2	9	2	*	3	1	8	3	36
15.....	2	3	3	*	4	7	5	7	6	3	7	3	50
16.....	2	2	4	3	3	2	6	4	3	4	6	4	43
17.....	9	1	2	5	2	3	7	6	7	7	5	4	58
18.....	3	4	3	6	4	3	6	4	*	3	6	7	49
19.....	1	*	2	8	3	6	8	2	4	3	1	5	43
20.....	3	8	1	8	3	6	7	2	5	5	11	3	62
21.....	*	5	4	2	3	4	6	8	4	8	4	2	50
22.....	3	2	5	6	5	4	3	10	6	3	1	5	53
23.....	*	2	1	2	4	7	4	7	*	2	5	5	39
24.....	2	1	2	2	5	5	3	11	*	9	4	6	50
25.....	4	*	*	6	7	3	6	4	6	6	5	1	48
26.....	5	3	2	5	2	7	7	4	5	6	5	4	55
27.....	1	1	3	11	6	5	7	5	3	5	5	7	59
28.....	2	1	2	4	4	13	4	5	3	1	1	3	43
29.....	*		4	1	2	3	3	5	2	5	4	2	31
30.....	2		6	1		2	5	8	6	1	3	2	40
31.....	2		4		*		3	3		7		4	27
TOTALS..	79	68	89	120	117	152	166	162	117	131	138	127	1466

*Deathless Days ▨ Holiday Period

PERSONS KILLED BY DATE AND MONTH

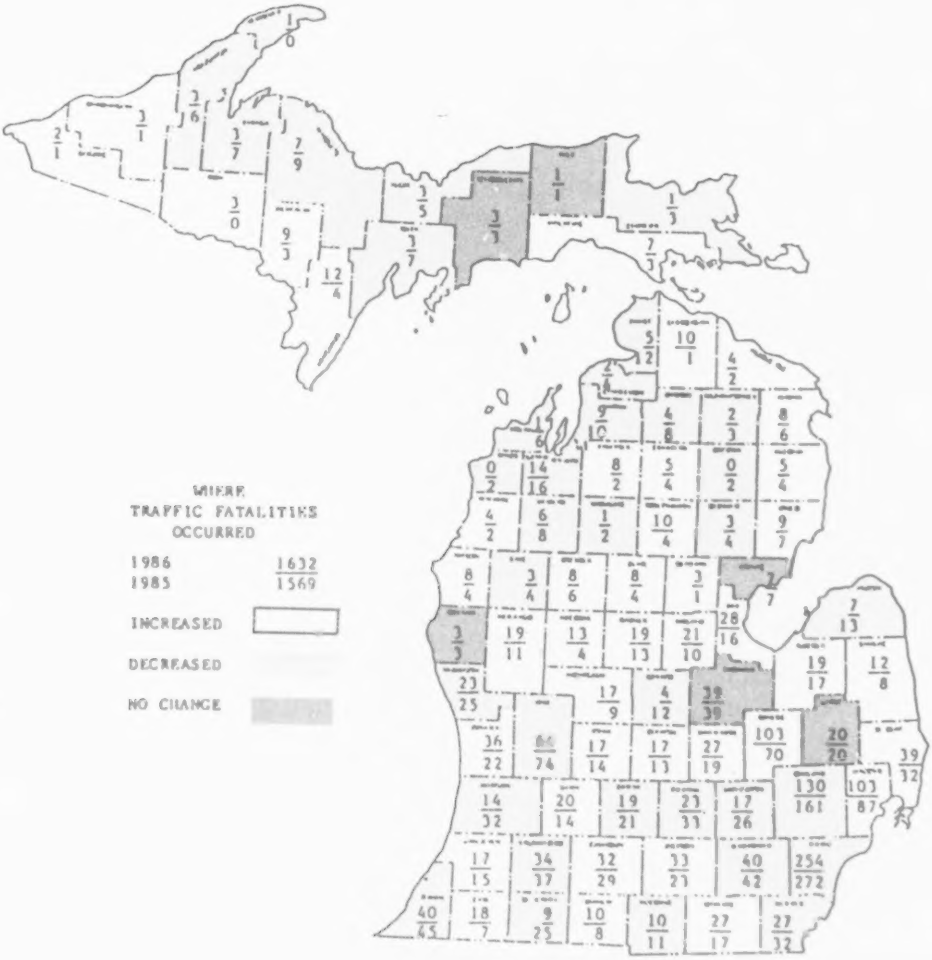
Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
01.....	3	3	1	4	4	10	5	6	8	3	7	1	55
02.....	2	1	2	4	5	1	9	12	4	5	4	6	55
03.....	3	2	2	5	7	6	6	1	5	4	4	3	48
04.....	1	2	6	*	6	5	5	1	4	4	2	8	44
05.....	2	3	2	10	5	5	9	3	10	6	5	6	66
06.....	2	4	4	3	3	7	7	5	5	2	6	8	56
07.....	4	3	5	4	1	3	2	3	8	4	6	5	48
08.....	2	2	9	1	1	6	5	6	*	4	7	5	48
09.....	6	*	3	2	6	6	4	9	1	3	4	6	50
10.....	3	1	4	4	8	3	3	13	3	6	4	1	53
11.....	3	3	6	5	5	5	7	5	2	9	2	3	55
12.....	3	5	2	7	1	6	10	4	7	7	6	6	64
13.....	3	7	3	5	5	6	9	5	5	*	3	3	54
14.....	3	2	3	1	2	9	2	*	4	1	12	3	42
15.....	2	3	3	*	4	8	8	7	6	3	11	4	59
16.....	3	3	5	3	3	2	7	4	3	5	9	4	51
17.....	10	1	2	5	2	4	8	7	9	9	5	4	66
18.....	3	7	3	6	4	4	6	5	*	4	7	8	57
19.....	1	*	2	8	4	6	8	2	4	3	1	6	45
20.....	3	9	2	8	3	6	8	2	5	5	12	3	66
21.....	*	5	4	2	4	4	8	9	4	9	4	2	55
22.....	3	2	5	6	5	7	3	11	6	3	2	6	59
23.....	*	2	1	2	4	8	4	9	*	2	6	5	43
24.....	3	2	2	3	5	9	4	11	*	9	5	6	59
25.....	5	*	*	6	9	4	7	4	8	7	5	1	56
26.....	6	3	2	5	2	7	9	4	6	6	5	4	59
27.....	1	1	4	12	6	5	7	5	3	6	6	8	64
28.....	2	1	2	1	7	15	4	6	3	2	1	3	50
29.....	*		4	1	2	4	3	5	2	5	5	2	33
30.....	2		6	1	4	4	5	9	6	1	3	2	43
31.....	2		4		4		4	3		7		5	29
TOTALS..	86	77	103	127	131	175	186	176	131	144	159	137	1632

*Deathless Days ▨ Holiday Period

This year Michigan experienced 15 deathless days on Michigan highways.

MICHIGAN TRAFFIC ACCIDENT FACTS FOR VARIOUS TIME PERIODS

	During 1986			Yearly Comparisons		
Accident Facts	Per Day	Per Week	Per Month	1985	1986	% Change 1985-1986
Deaths............	4.5	31.4	136	1,569	1,632	+ 4.0
Injuries..........	433	3,039	13,169	157,417	158,032	+ 0.4
Accidents.........	1,098	7,706	33,391	386,904	400,694	+ 3.6
Cost of Accidents.	$5,365,479	$37,661,538	$163,200,000	$1,663,140,000	$1,958,400,000	+17.8
Drivers Involved..	1,861	13,062	56,603	658,000	679,235	+ 3.2
Vehicles Involved.	1,863	13,080	56,678	658,786	680,139	+ 3.2


WHERE
TRAFFIC FATALITIES
OCCURRED
1986 1632
1985 1569
INCREASED
DECREASED
NO CHANGE
1/0
2/1
3/1
3/6
3/7
7/9
3/0
9/3
12/4
3/5
3/7
3/3
1/1
1/3
7/3
5/12
10/1
4/2
2/4
9/10
4/8
2/3
8/6
6
0/2
14/16
8/2
5/4
0/2
5/4
4/2
6/8
1/2
10/4
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17/9
4/12
39/39
36/22
66/74
17/14
17/13
27/19
103/70
20/20
39/32
14/32
20/14
19/21
23/33
17/26
130/161
103/87
17/15
34/37
32/29
33/23
40/42
254/272
40/45
18/7
9/25
10/8
10/11
27/17
27/32

MOTOR VEHICLE DEATHS, MILEAGE, AND RATES BY MONTH

Month	Traffic Deaths					1986 Percentages		
	1982	1983	1984	1985	1986	Percent Deaths	Percent Miles Driven	Death Rate*
January.....	98	113	93	108	86	5.3	8.0	1.5
February....	79	94	84	91	77	4.7	7.8	1.4
March.......	93	83	104	77	103	6.3	8.1	1.7
April.......	91	91	94	133	127	7.8	8.3	2.2
May.........	114	91	125	137	131	8.0	8.3	2.2
June........	121	127	143	167	175	10.7	8.5	2.9
July........	154	121	175	146	186	11.4	8.8	3.0
August......	153	117	174	136	176	10.8	9.0	2.7
September...	128	131	135	131	131	8.0	8.5	2.2
October.....	144	153	153	135	144	8.8	8.4	2.4
November....	131	115	134	161	159	9.8	8.2	2.7
December....	111	95	142	147	137	8.4	8.1	2.4
TOTALS......	1,417	1,331	1,556	1,569	1,632	100.0	100.0	2.3

*Deaths per 100 million vehicle miles.

In 1986 the highest death total was in July. Over the five year period July had the highest average, followed by August.

MOTORCYCLE AND MOTOR SCOOTER DATA

Motorcycle & Motor Scooter Data	1982	1983	1984	1985	1986
Registrations.................	230,794	219,929	212,613	203,226	183,933
Deaths........................	119	115	151	142	110
Death Rate*...................	5.2	5.2	7.1	7.0	6.0
Estimated Mileage**(millions)..	692,382	659,787	637,839	609,678	551,799
Death Rate***.................	17.2	17.4	23.6	23.3	20.0

*Based on 10,000 cycle registrations.
**Based on 3,000 miles per cycle.
***Based on deaths per 100 million vehicle miles traveled.

Motorcycle registrations in 1980 were at a peak with the following years reflecting a gradual decline; 1986 showed a 9.5 percent decrease from 1985, this compared with a 1.3 percent increase in total motor vehicle registrations.

Based on deaths per 10,000 registrations, the mortality rate for motorcycles is 6.0 while deaths for all vehicles is 2.3 per 10,000 registered.

There are no accurate mileage figures for motorcycles, but estimates range from 3,000 to 5,000 miles per year for personal cycles. Such figures indicate that the mileage death rate, based on rider deaths only, may range between 12.0 and 20.0 (deaths per 100 million vehicle miles of travel). This compares with the 1986 death rate for all motor vehicles of 2.3 per 100 million miles which includes pedestrian and other non-occupant deaths among total deaths. There were 1,030 moped involved accidents; in those accidents, 5 persons were killed and 929 were injured.

Detailed information can be obtained on 1986 Michigan Motorcycle and Motor Scooter Data by contacting the Michigan Department of State Police, Traffic Services Division.

MICHIGAN BICYCLE ACCIDENTS

In 1986, there were 48 bicyclists killed and 3,787 injured in 4,483 total reported accidents involving bicycles and motor vehicles. The number killed was 2 more than in 1985, and the injuries recorded were 0.1 percent higher.

Children under 15 years of age accounted for 22 or 45.8 percent of the bicycle deaths in 1986.

Generally, three out of five bicyclists are killed in rural areas. In 1986, rural deaths were 26 and there were 22 in urban areas. Past experience indicates that urban areas have two to three times as many bicycle injuries and total reported accidents compared with rural experience and this was true again in 1986.

Age of Bicyclist Killed	1982	1983	1984	1985	1986
0 - 4 years.........	0	1	1	1	0
5 - 9 years.........	9	5	6	13	8
10 - 14 years.........	19	15	19	11	14
15 - 19 years.........	9	8	4	6	10
20 - 24 years.........	3	3	4	3	2
25 - 34 years.........	5	4	7	4	4
35 - 44 years.........	0	1	3	3	1
45 - 54 years.........	2	3	0	0	2
55 - 64 years.........	2	2	0	3	1
65 - 74 years.........	0	0	0	2	1
75 and over...........	1	3	3	0	5
Not Stated............	0	0	0	0	0
TOTALS.................	50	45	47	46	48

Age of Bicyclist Injured	1982	1983	1984	1985	1986
0 - 4 years.........	40	50	55	61	47
5 - 9 years.........	528	523	535	576	636
10 - 14 years.........	1,291	1,273	1,266	1,318	1,374
15 - 19 years.........	888	900	874	814	790
20 - 24 years.........	346	399	341	356	333
25 - 34 years.........	282	358	328	364	314
35 - 44 years.........	113	110	104	118	146
45 - 54 years.........	33	44	47	65	51
55 - 64 years.........	35	27	41	42	25
65 - 74 years.........	16	24	28	23	31
75 and over...........	9	12	8	11	11
Not Stated............	36	26	30	37	29
TOTALS................	3,617	3,746	3,657	3,785	3,787

Detailed information can be obtained on Michigan Bicycle Accidents by contacting the Michigan Department of State Police, Traffic Services Division.

MICHIGAN RAILROAD ACCIDENTS

Of the 287 grade crossing accidents which happened in Michigan during 1986, 21 were fatal accidents in which 22 persons were killed. Approximately 75 percent of the vehicles struck were passenger cars; the rest were mostly trucks, with the remainder including 9 motorcycles and 1 bus.

Three out of four drivers involved in these accidents were local residents who either drove too fast and were unable to stop or disregarded a traffic signal or sign.

During the daylight hours 142 or 49.5 percent of the train accidents occurred.

Detailed information can be obtained on Michigan Railroad Accidents by contacting the Michigan State Police, Traffic Services Division.

MICHIGAN MOTOR VEHICLE-DEER INVOLVED/ASSOCIATED ACCIDENTS

Michigan had 34,252 reported motor vehicle-deer accidents during 1986 in which 5 persons were killed as a result of the collision. Over 75 percent of the vehicles involved were passenger cars.

Accidents involving deer occurred most frequently during the fourth quarter (54%) and the second quarter (18%) of the year for a total of 72 percent of all car-deer collisions.

Over 62 percent of the drivers involved were local residents with 70.0 percent of the accidents occurring during hours of darkness.

Contrary to common belief, motor vehicle-deer accidents are happening in Michigan's southern, heavily populated counties; Kent County had the highest with 1,177 such accidents in 1986.

Detailed information can be obtained on Motor Vehicle-Deer Accidents by contacting the Michigan Department of State Police, Traffic Services Division.

MICHIGAN FARM EQUIPMENT ACCIDENTS

A total of 394 accidents involving farm equipment were reported on Michigan roadways during 1986. Of these accidents, 348 were the result of a collision with another vehicle. In 96 of these accidents, both vehicles were traveling in the same direction resulting in a rear end collision. Of the total accidents, 76.6 percent happened during daylight hours and 74.9 percent happened on dry roads.

Farm equipment accidents claimed the lives of 7 persons on Michigan roadways during 1986. Five of the persons killed were drivers or passengers on the farm equipment and were killed in collisions with another motor vehicle. Of the drivers involved in farm equipment accidents, 83 percent were males.

Detailed information can be obtained on Michigan Farm Equipment Accidents by contacting the Michigan Department of State Police, Traffic Services Division.

SNOWMOBILE ACCIDENTS

	1985-1986						1984-1985		
		Number of Accidents			Number of Persons				
Type of Accident	Total*	Fatal	Injury	PD	Killed	Injured	Accidents	Killed	Injured
Overturned..................	68	0	66	2	0	69	36	3	37
Other Non-collision.........	50	0	50	0	0	53	40	2	41
Collision with:									
Pedestrian..................	6	0	6	0	0	6	14	1	17
Motor Vehicle in Transport..	159	4	102	53	4	138	164	5	118
Motor Vehicle/Other Roadway.	0	0	0	0	0	0	0	0	0
Parked Motor Vehicle........	18	1	12	5	1	13	33	5	25
Railroad Train..............	2	1	1	0	2	1	2	0	0
Pedalcycle..................	0	0	0	0	0	0	0	0	0
Animal......................	6	0	2	4	0	2	4	0	2
Fixed Object................	94	5	79	10	5	87	94	2	84
Other Object................	4	1	2	1	1	2	0	0	0
TOTALS......................	407	12	320	75	13	371	387	18	324

*Includes 232 Traffic Accidents - 175 Non-Traffic Accidents.

Reflecting the ongoing interest in the sport, snowmobile accidents fell within the norm showing slight variations over the previous snow season with total accidents up 3.9 percent, deaths down 27.8 percent, and injuries up 14.5 percent. Statistics show Michigan had 69,251 registered snowmobiles during the 1968-1969 snow season. The latest statistics now show Michigan has registered 118,641 snowmobiles, a drop of 58.7 percent from last year.

Snowmobiles in the state of Michigan are not a passing fancy to be dealt with lightly; their popularity has brought with it many complications, particularly those pertaining to safe operation. There must be continuous concern to improve the safety for all persons involved in snowmobiling.

Detailed information can be obtained on 1986 Michigan Snowmobile Accidents by contacting the Michigan Department of State Police, Traffic Services Division.

OPERATION C.A.R.E.

In 1986 Operation C.A.R.E. was funded by a federal highway safety grant of $350,000 from the Office of Highway Safety Planning. Operation C.A.R.E. provided 4,429 hours of additional traffic patrol time over the Memorial Day, Fourth of July, and Labor Day Weekends. During the three weekend periods, the increased patrols resulted in contacts with 43,000 motorists. Troopers issued 26,730 traffic citations, arrested 590 drugged or intoxicated drivers, and assisted 4,637 motorists.

In December 1986 Michigan State Police joined 40 other states in an enforcement program as part of our observance of National Drunk and Drugged Driving Awareness Week. Troopers arrested 78 people for O.U.I.L./D. during the thirteen hour period.

HOLIDAY DEATH COUNT

	Year	Memorial Day	July 4th	Labor Day
	1974...........		34	25
	1975...........	28	27	25
	1976...........	34	19	31
	1977...........	32	34	
				18
	1978...........	25	23	31
C	1979...........	17	12	31
	1980...........	23	25	26
A	1981...........	12	22	17
	1982...........	9	30	21
R	1983...........	13	22	17
	1984...........	18	8	19
E	1985...........	23	17	17
	1986...........	16	23	21

OCCUPANT RESTRAINTS

	Total Occupants		Occupants In Fatal Accidents		Occupants In Injury Accidents		Occupants Prop. Damage Accidents	
Using Restraints.........	730,115	78.0%	1,367	40.0%	197,988	71.0%	530,760	81.2%
Not Using Restraints.....	154,305	16.5%	1,804	52.8%	66,943	24.0%	85,558	13.1%
Usage Unknown............	51,781	5.5%	248	7.2%	14,029	5.0%	37,504	5.7%
TOTAL OCCUPANTS..........	936,201		3,419		278,960		653,822	

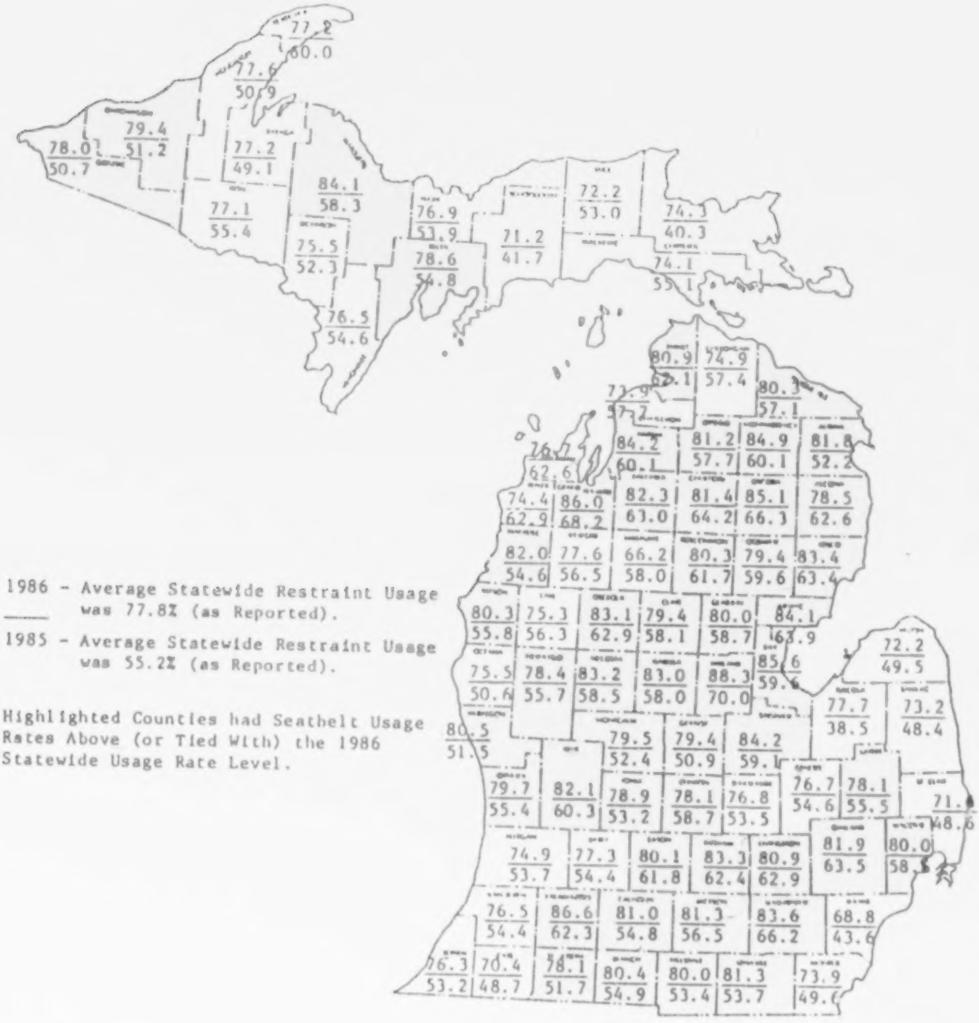
Since April 1982, Michigan has had a child restraint law, and in July of 1985 a mandatory restraint law went into effect for all front seat occupants. Other countries have been very successful in further reducing the number of deaths and injuries due to traffic accidents by passing laws requiring all vehicle occupants to be restrained.

In reviewing the Michigan restraint data, it is obvious that there is still a need for more voluntary compliance in restraint usage. Of the total occupants involved in accidents, 77.8 percent were using restraints, up from 55.2 percent in 1985. Public attitudes must change; the approach is a long term comprehensive, informational and educational program designed to impact an entire population through small group communication techniques.

MONTHLY PERCENTAGE OF OCCUPANT RESTRAINT USAGE

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1978....	15.7	14.5	13.6	12.7	12.8	12.3	12.2	11.7	11.9	11.7	12.2	12.0	12.8
1979....	12.8	11.8	11.6	10.8	11.0	10.5	10.6	10.8	10.8	10.6	11.2	11.3	11.2
1980....	11.0	10.9	11.1	10.3	9.0	8.2	9.6	9.9	10.4	10.8	10.7	11.1	10.3
1981....	11.1	11.1	10.9	10.2	10.1	10.5	10.9	10.5	11.5	11.4	11.3	12.4	11.1
1982....	13.4	13.8	13.8	15.7	15.3	15.1	15.4	14.9	15.8	15.6	17.3	16.5	15.1
1983....	16.8	17.0	17.1	17.2	17.6	17.5	18.1	18.1	17.8	18.9	20.2	20.8	18.2
1984....	21.0	20.4	20.8	20.6	20.9	20.7	22.5	22.6	23.4	24.0	25.5	27.1	22.8
1985....	28.9	28.6	31.0	31.6	31.1	34.9	75.0	73.8	73.4	77.2	78.2	79.4	55.2
1986....	79.2	79.5	77.6	77.2	77.5	77.0	77.0	76.4	77.5	78.4	79.4	79.0	77.8

1986
REPORTED RESTRAINT USAGE (PERCENT) BY COUNTY
JANUARY-DECEMBER

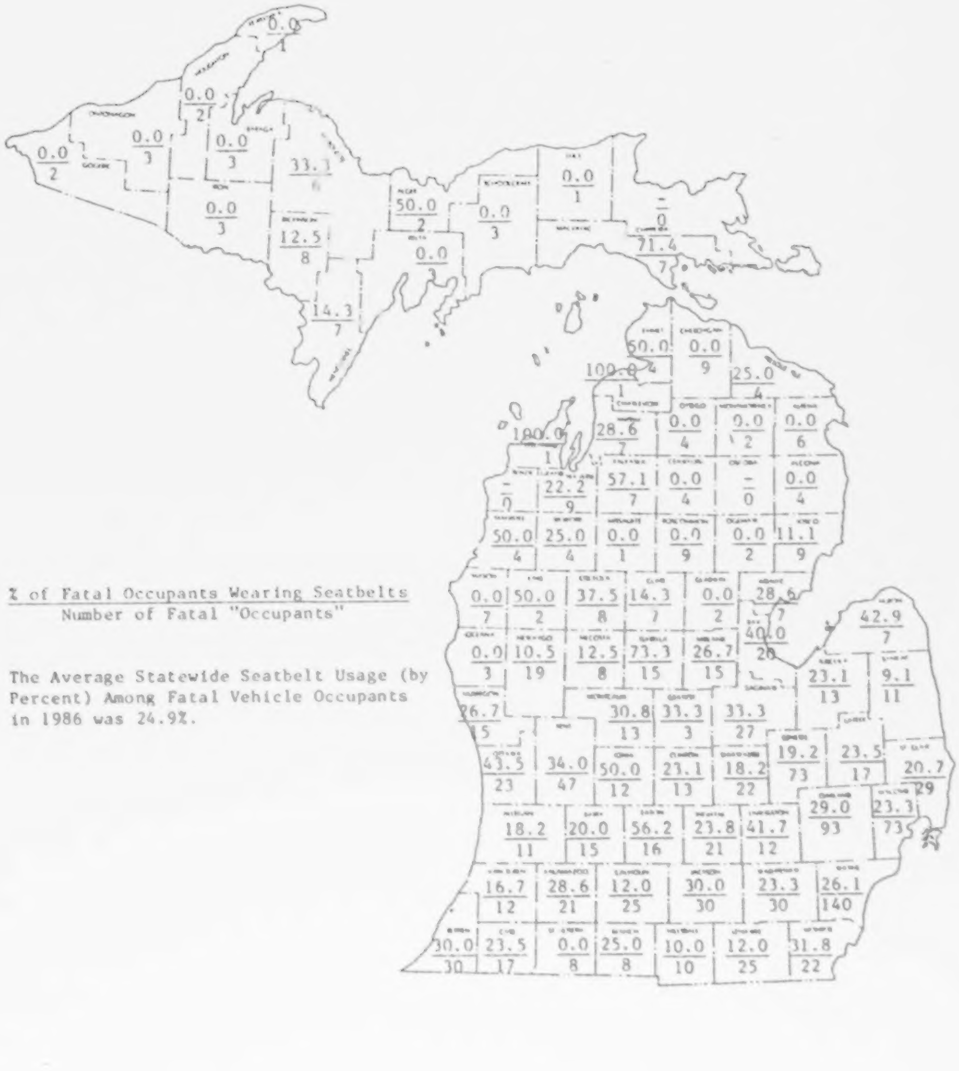

77.2
60.0
77.6
50.9
79.4
51.2
78.0
50.7
77.2
49.1
84.1
58.3
77.1
55.4
75.5
52.3
76.5
54.6
76.9
53.9
78.6
54.8
71.2
41.7
72.2
53.0
74.3
40.3
74.1
55.1
80.9
62.1
74.9
57.4
73.9
57.2
80.3
57.1
76.7
62.6
84.2
60.1
81.2
57.7
84.9
60.1
81.8
52.2
74.4
62.9
86.0
68.2
82.3
63.0
81.4
64.2
85.1
66.3
78.5
62.6
82.0
54.6
77.6
56.5
66.2
58.0
80.3
61.7
79.4
59.6
83.4
63.4
80.3
55.8
75.3
56.3
83.1
62.9
79.4
58.1
80.0
58.7
84.1
63.9
72.2
49.5
85.6
59.6
75.5
50.6
78.4
55.7
83.2
58.5
83.0
58.0
88.3
70.0
77.7
38.5
73.2
48.4
80.5
51.5
79.5
52.4
79.4
50.9
84.2
59.1
79.7
55.4
82.1
60.3
78.9
53.2
78.1
58.7
76.8
53.5
76.7
54.6
78.1
55.5
71.
48.6
74.9
53.7
77.3
54.4
80.1
61.8
83.3
62.4
80.9
62.9
81.9
63.5
80.0
58.
76.5
54.4
86.6
62.3
81.0
54.8
81.3
56.5
83.6
66.2
68.8
43.6
76.3
53.2
70.4
48.7
78.1
51.7
80.4
54.9
80.0
53.4
81.3
53.7
73.9
49.6

1986 - Average Statewide Restraint Usage was 77.8% (as Reported).

1985 - Average Statewide Restraint Usage was 55.2% (as Reported).

Highlighted Counties had Seatbelt Usage Rates Above (or Tied With) the 1986 Statewide Usage Rate Level.

1986
RESTRAINT USAGE (PERCENT)
BY FATAL "OCCUPANT" VICTIMS BY COUNTY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1
0.0
2
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2
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3
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3
33.3
6
0.0
3
12.5
8
14.3
7
50.0
2
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3
0.0
3
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1
-
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71.4
7
50.0
4
0.0
9
100.0
1
25.0
4
100.0
1
28.6
7
0.0
4
0.0
2
0.0
6
-
0
22.2
9
57.1
7
0.0
4
-
0
0.0
4
50.0
4
25.0
4
0.0
1
0.0
9
0.0
2
11.1
9
0.0
7
50.0
2
37.5
8
14.3
7
0.0
2
28.6
7
42.9
7
0.0
3
10.5
19
12.5
8
73.3
15
26.7
15
40.0
20
23.1
13
9.1
11
26.7
15
30.8
13
33.3
3
33.3
27
19.2
73
23.5
17
20.7
29
43.5
23
34.0
47
50.0
12
23.1
13
18.2
22
29.0
93
23.3
73
18.2
11
20.0
15
56.2
16
23.8
21
41.7
12
16.7
12
28.6
21
12.0
25
30.0
30
23.3
30
26.1
140
30.0
30
23.5
17
0.0
8
25.0
8
10.0
10
12.0
25
31.8
22

% of Fatal Occupants Wearing Seatbelts
Number of Fatal "Occupants"

The Average Statewide Seatbelt Usage (by Percent) Among Fatal Vehicle Occupants in 1986 was 24.9%.

AGE OF MAJORITY ACCIDENT DATA

18-20 Year-Olds

One of the most publicized aspects of the drinking and driving problem has been the emphasis on the "young driver." 18 to 20 years of age. Very diverse opinions as to the significance of the data exist among the concerned interest groups. Michigan's legal drinking age returned to 21 in 1979.

The Michigan data reveals that the young drivers are continuing their downward trend (80-86) of involvement in alcohol-involved accidents and O.U.I.L. arrests; this counters an upward trend established in the mid- to late 1970s. The push to remove drunk drivers from the roadways, as viewed by the numbers of O.U.I.L. arrests in 1983 and '84, lost steam in 1985 and 1986 as many reductions in manpower and funding took their toll.

In an attempt to display the most pertinent information for this publication, the following schedules have been selected from the complete study.

DRINKING DRIVERS INVOLVED IN ACCIDENTS

	18 - 20 YEARS				ALL AGES			
ACCIDENT TYPE	1984	1985	1986	85-86 % Change	1984	1985	1986	85-86 % Change
All.............	5,816	4,980	5,001	+ 0.4	40,753	39,685	39,626	- 0.1
Fatal...........	100	68	120	+76.5	671	639	706	+10.5
Injury..........	2,764	2,283	2,317	+ 1.5	19,196	17,935	18,055	+ 0.7
Property Damage.	2,952	2,629	2,564	- 2.5	20,886	21,111	20,865	- 1.2

ALL DRIVERS INVOLVED IN ACCIDENTS

	18 - 20 YEARS				ALL AGES			
ACCIDENT TYPE	1984	1985	1986	85-36 % Change	1984	1985	1986	85-86 % Change
All.............	72,030	81,356	80,711	- 0.8	563,543	658,000	679,235	+ 3.2
Fatal...........	270	254	254	0.0	2,115	2,189	2,234	+ 2.1
Injury..........	22,881	23,543	23,471	- 0.3	177,104	189,914	191,318	+ 0.7
Property Damage.	48,879	57,559	56,986	- 1.0	384,324	465,897	485,683	+ 4.2

DRINKING DRIVERS IN PERCENT OF ALL DRIVERS INVOLVED IN ACCIDENTS

	18 - 20 YEARS				ALL AGES			
ACCIDENT TYPE	1984	1985	1986	85-86 % Change	1984	1985	1986	85-86 % Change
All.............	8.1	6.1	6.2	+ 0.1	7.2	6.0	5.8	- 0.2
Fatal...........	37.0	26.8	47.2	+20.4	31.7	29.2	31.6	+ 2.4
Injury..........	12.1	9.7	9.9	+ 0.2	10.8	9.4	9.4	0.0
Property Damage.	6.0	4.6	4.5	- 0.1	5.4	4.5	4.3	- 0.2

DRIVERS ARRESTED FOR OPERATING UNDER THE INFLUENCE
OF LIQUOR (O.U.I.L.)

	18 - 20 YEARS				ALL AGES			
ARRESTS	1984	1985	1986	85-86 % Change	1984	1985	1986	85-86 % Change
Total...........	8,276	6,795	6,612	- 2.7	79,812	72,533	71,512	- 1.4
Male............	7,224	5,893	5,827	- 1.1	70,166	63,570	62,993	- 0.9
Female..........	1,052	902	785	-13.0	9,646	8,963	8,519	- 5.0

BREATH TESTING

Act No. 253, Public Acts of 1967, which became effective November 2, 1967, created "Implied Consent" in Michigan.

Under the National Highway Safety Act, the Federal government provided Michigan with financial assistance to purchase breath testing equipment and train officers in the use of the equipment. A training program was initiated with the cooperation of Michigan State University, Michigan Department of Public Health, Michigan Law Enforcement Officers Training Council, and the Michigan Department of State Police. Training consisted of a comprehensive 40-hour course which was conducted at Michigan State University.

Michigan State University ceased active participation in the program in October, 1978, and the Department of Public Health and Department of State Police continued to train officers, through cooperative efforts, at the Michigan State Police Training Academy and the Detroit Metropolitan Police Academy. Effective April 1, 1981, the Legislature delegated the responsibility of certifying all breathalyzer equipment and operators to the Department of State Police. All basic schools are now conducted by Michigan State Police personnel at the Michigan State Police Academy and at Regional Training Centers.

Police agencies from throughout Michigan participate in the program. Through December, 1986, 6,538 officers were trained. In addition to the initial training program, officers are required to be recertified biennially during one-day regional sessions to maintain their proficiency of operation and to keep abreast of the many changes in law and procedures. Currently there are nearly 2,300 active operators.

Initially, 246 breathalyzers and 248 simulators were received during the grant period. In 1979 an additional 156 breathalyzers were purchased and distributed to participating agencies. All units are maintained and serviced through a scheduled program by certified inspector-operators from the Michigan State Police and Detroit Police Department.

Test Results	Number of Tests	% of Total Tests	% of Arrests
.00 to .07....................	1,130	2.0	
.08 to .099...................	1,826	3.3	
.10 to .149...................	19,098	34.1	
.15 and over..................	33,908	60.6	
Total breath and blood tests**..	55,962	100.0	78.3
Total tests refused*...........	15,550		21.7
Total persons arrested.........	71,512		100.0

*Based on refusal forms received by Department of State (includes information on certificates of conviction).

**Blood test results available as of April, 1983.

Blood-alcohol levels of .04 are definitely associated with increased accident involvement according to studies. When the alcohol level reaches .06, the probability of having an accident is twice that of the no-alcohol level, at .10 the probability is six times greater, and at .15 it is 25 times greater than if the driver were sober.

O.U.I.L. arrests decreased in 1986, 1.4 percent fewer than in 1985. In 1986 there were 13,509 arrests for drunk driving made at accident scenes.

1986 DRIVER INFORMATION

While the crash phase and post-crash phase are important for the prevention of injury and death in all age groups, the pre-crash phase is especially critical among young drivers. What are his attitudes, motivations, perceptions, and reactions behind the wheel in the critical minutes and seconds before the "point-of-no-escape"? Excessive speed and loss of control, etc., may occur at any age, but never more than among young drivers.

Effective October 6, 1980, legislation was passed which removed the requirement for a road test from students who had successfully completed a Driver Education Course.

	NUMBER OF DRIVERS			
Sex of Driver	Total	Fatal	Injury	Prop. Damage
Male..............	444,737	1,703	120,643	322,391
Female............	234,498	531	70,675	163,292
TOTALS............	679,235	2,234	191,318	485,683

	Fatal Accident Drivers				
Age of Drivers	1985	1986	Percent Change	Percent 1986 Fatal Accident Involvement	*Percent Driving Population
16 years and under...	80	76	- 5.0	3.4	2.3
17 years.............	69	78	+13.0	3.5	1.8
18 - 19 years........	170	174	+ 2.4	7.8	4.0
20 - 24 years........	408	399	- 2.2	17.8	12.0
Group Sub-total.......	727	727	0.0	32.5	20.1
25 - 34 years........	548	559	+ 2.0	25.0	25.7
35 - 44 years........	318	348	+ 9.4	15.6	19.2
45 - 54 years........	188	191	+ 1.6	8.6	12.2
55 - 64 years........	159	159	0.0	7.1	11.3
65 - 74 years........	97	117	+20.6	5.2	7.8
75 years and over....	88	94	+ 6.8	4.2	3.7
Not Stated...........	64	39	-39.1	1.8	-
Group Sub-total.......	1,462	1,507	+ 3.1	67.5	79.9
TOTAL DRIVERS.........	2,189	2,234	+ 2.1	100.0	100.0

*Based on 1986 Secretary of State driver license data.

1982-1986 TOTAL PERSONS KILLED

Age of Person	1982	1983	1984	1985	1986
0 - 4 years........	22	23	29	35	28
5 - 9 years........	37	35	37	57	32
10 - 14 years.......	48	47	54	55	61
15 - 19 years.......	219	222	249	216	268
20 - 24 years.......	223	232	242	238	251
25 - 34 years.......	297	269	330	317	317
35 - 44 years.......	146	152	168	182	189
45 - 54 years........	122	109	113	119	118
55 - 64 years.......	118	80	121	121	104
65 - 74 years.......	80	65	110	104	118
75 years and over...	100	95	101	124	144
Not Stated..........	5	2	2	1	2
TOTALS..............	1,417	1,331	1,556	1,569	1,632

RESIDENCE OF DRIVER

In approximately three our of four of all motor vehicle traffic accidents, and two out of three fatal accidents, one of the drivers was a local resident. This generally means he lived with 25 miles of the accident location.

Residence of Driver	Drivers, All Accidents		Drivers, Fatal Accidents		Drivers, Injury Accidents		Drivers, PD Accidents	
	Number	% of Total	Number	% of Total	Number	% of Total	Number	% of Total
In County...........	489,788	72.1	1,603	71.8	143,042	74.8	345,143	71.1
Elsewhere in State..	127,152	18.7	500	22.4	35,818	18.7	90,834	18.7
Non-resident........	10,797	1.6	63	2.8	3,025	1.6	7,709	1.6
Not Stated..........	51,498	7.6	68	3.0	9,433	4.9	41,997	8.6
TOTALS..............	679,235		2,234		191,318		485,683	

ACCIDENT EXPERIENCE BY ROADWAY TYPE

The schedule below provides a detailed breakdown of estimated vehicle mileage, accidents, death rates (deaths per 100 million vehicle miles), and accident rates (accidents per 100 million vehicle miles) for the major roadway types in Michigan.

Statewide	*Estimated Mileage (Billions)	All Accidents	Deaths	Rates		
				Death Rate	Injury Accidents	Total Accidents
Limited access roadway....	19.4	28,546	111	0.86	42.0	147.1
U.S. & Michigan roads.....	18.8	101,865	496	2.64	144.6	541.8
County & local roads......	32.4	270,283	1,025	3.16	222.2	834.2
TOTALS....................	70.6	400,694	1,632	2.31	152.0	567.6

*1986 Michigan Department of Transportation figures.

OBJECTS HIT

Object Hit by Vehicle	% of Total Objects Hit	Total Objects Hit	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Rural Accidents	Urban Accidents
Guard rail or post	7.1	4,564	34	1,387	3,143	2,888	1,676
Highway sign	10.3	6,668	58	1,586	5,024	3,770	2,898
Street light, utility pole	12.9	8,356	61	3,465	4,830	2,903	5,453
Culvert	0.7	441	7	209	225	396	45
Ditch, embankment, stream	18.0	11,622	39	3,760	7,823	9,612	2,010
Bridge pier or abutment	0.5	317	4	131	182	172	145
Bridge rail or deck	0.6	363	8	121	234	228	135
Tree	16.7	10,812	173	4,862	5,777	7,964	2,848
Highway or railroad signal	0.5	313	9	102	202	81	232
Building	2.8	1,789	11	666	1,112	401	1,388
Mailbox	7.4	4,811	23	976	3,812	3,989	822
Fence	5.7	3,654	23	897	2,734	1,814	1,840
Traffic isle or curb	2.6	1,705	3	316	1,386	412	1,293
Concrete barrier in median	3.6	2,337	5	1,022	1,310	397	1,940
Other on-trafficway object	6.5	4,207	12	822	3,373	2,021	2,186
Other off-trafficway object	3.5	2,250	12	637	1,601	1,272	978
Overhead fixed object	0.5	339	1	24	314	119	220
Not known	0.1	93	0	40	53	32	61
TOTALS	100.0	64,641	483	21,023	43,135	38,471	26,170
PERCENT TOTALS		100.0	0.7	32.6	66.7	59.5	40.5

The above summary lists incidents in which a fixed object was struck, either as the primary object hit or as the secondary object hit (rebound).

REGISTRATION TRANSACTIONS
(Includes Original, Renewal, Correction, and Replacements)

	VEHICLE						OTHER			
Counties	Passenger	Commercial	Trailer	Motorcycle	Total Plates	Total Revenue	Watercraft*	Snowmobile*	Off-Road	Moped
Alcona	6,036	2,573	1,674	226	10,509	$ 338,618.04	1,817	332	534	34
Alger	4,238	2,290	1,097	261	7,886	248,977.82	1,342	503	410	53
Allegan	44,552	18,023	9,978	2,406	74,959	3,002,584.95	7,737	1,396	1,492	503
Alpena	17,546	7,384	4,552	569	30,051	1,070,728.19	3,985	791	642	103
Antrim	10,060	3,781	2,525	461	16,827	568,458.32	3,697	566	328	79
Arenac	7,927	3,601	2,241	291	14,060	521,047.91	2,881	497	684	19
Baraga	3,936	1,990	877	144	6,947	237,341.75	735	261	420	12
Barry	25,198	9,788	5,833	1,496	42,315	1,352,566.03	6,554	1,047	905	243
Bay	67,125	18,590	14,958	2,533	103,206	3,918,401.05	9,399	2,497	4,711	572
Benzie	6,972	2,651	1,811	327	11,761	360,495.26	2,869	417	209	51
Berrien	94,929	27,085	14,428	3,919	140,361	5,022,694.04	11,174	1,452	1,116	1,254
Branch	21,033	8,518	5,043	1,203	35,797	1,358,626.33	5,261	605	554	218
Calhoun	80,085	21,155	12,822	3,605	117,667	4,012,893.98	9,526	1,061	1,256	1,281
Cass	25,581	10,046	4,976	1,201	41,804	1,394,511.13	7,480	992	539	200
Charlevoix	12,187	4,697	2,803	580	20,267	677,601.77	3,254	797	424	172
Cheboygan	12,015	4,988	3,239	535	20,777	693,216.13	3,997	1,116	753	81
Chippewa	13,749	6,316	3,783	607	24,455	878,637.01	4,115	1,507	1,058	107
Clare	13,207	5,678	3,518	545	22,948	771,123.76	3,071	799	604	68
Clinton	30,822	10,684	6,738	1,581	49,825	1,713,031.69	4,573	1,174	1,217	282
Crawford	5,696	2,448	1,508	193	9,845	323,136.07	2,198	466	800	36
Delta	20,800	8,702	5,403	965	35,870	1,223,231.94	3,651	1,049	2,127	172
Dickinson	14,757	6,487	3,935	712	25,891	972,089.95	2,602	647	1,521	190
Eaton	50,711	15,497	9,793	2,363	78,364	2,868,308.78	6,611	1,271	1,738	464
Emmet	14,882	5,596	3,005	628	24,111	883,072.28	3,842	823	442	276
Genesee	268,475	60,635	39,155	9,833	378,098	13,495,254.52	28,880	5,848	9,300	2,643
Gladwin	11,393	4,937	3,172	440	19,942	637,864.66	3,173	706	778	50
Gogebic	9,042	3,958	2,015	358	15,373	493,612.26	2,309	604	648	94
Gd. Traverse	39,312	12,122	8,663	1,539	61,636	2,221,884.88	8,868	1,482	1,779	315
Gratiot	21,051	7,850	4,983	1,098	34,982	1,353,631.91	2,555	666	1,013	226
Hillsdale	22,204	9,293	4,803	1,212	37,512	1,363,896.84	3,444	643	761	259
Houghton	16,346	5,594	2,451	666	25,057	847,910.93	2,336	814	518	88
Huron	21,299	9,039	4,831	963	36,132	1,407,134.97	2,918	1,179	772	221
Ingham	166,214	35,646	19,464	6,602	227,926	8,700,821.30	14,679	1,951	3,020	1,953
Ionia	26,758	9,909	5,700	1,404	43,771	1,486,543.70	3,635	759	936	350
Iosco	17,016	6,017	4,209	690	27,932	947,276.77	4,255	783	1,119	95
Iron	7,072	3,636	1,986	302	12,996	452,235.57	2,171	452	659	36
Isabella	23,221	8,462	4,918	1,106	37,707	1,470,991.74	3,004	595	758	236
Jackson	83,617	24,579	13,807	3,561	125,564	4,991,488.16	12,143	1,727	1,684	665
Kalamazoo	128,810	28,250	17,553	5,252	179,865	6,465,277.99	15,635	1,567	2,015	1,030
Kalkaska	6,522	3,890	2,255	363	13,030	752,638.14	1,785	514	390	30
Kent	296,574	68,846	47,518	11,352	424,290	17,736,627.79	34,492	5,240	6,805	3,983
Keweenaw	990	359	180	31	1,560	48,001.97	311	67	61	4
Lake	4,186	2,027	1,145	132	7,490	234,898.05	1,790	272	338	43
Lapeer	39,688	14,739	7,656	2,141	64,224	2,206,671.09	4,431	1,431	2,051	178
Leelanau	9,037	3,162	2,365	354	14,918	499,818.74	3,457	556	151	89
Lenawee	50,270	16,581	9,515	2,411	78,777	2,735,754.08	6,761	2,029	1,712	578
Livingston	64,955	18,094	10,870	2,602	96,521	3,317,363.36	9,830	1,957	1,762	451
Luce	3,040	1,702	1,145	106	5,993	224,175.19	1,208	406	397	24
Mackinac	5,300	2,505	1,507	239	9,551	317,940.69	2,808	862	495	34
Macomb	487,012	72,090	46,460	11,357	616,919	23,293,289.48	38,847	7,626	9,803	4,336
Manistee	12,832	5,012	2,996	508	21,348	749,709.28	2,718	446	578	68
Marquette	34,758	13,180	6,428	1,827	56,193	1,836,938.01	5,469	1,843	2,218	243
Mason	14,039	5,416	3,325	675	23,455	808,780.42	3,111	462	421	124
Mecosta	15,978	6,438	3,572	678	26,666	942,867.18	3,473	542	398	103
Menominee	13,610	5,677	3,568	763	23,618	839,509.05	2,219	579	893	195
Midland	45,942	11,369	9,664	1,863	68,838	2,240,828.76	7,208	982	2,217	322
Missaukee	5,813	3,138	1,773	225	10,949	385,563.74	1,415	450	172	76
Monroe	77,361	22,259	14,069	3,595	117,284	4,191,340.83	8,676	2,367	2,945	1,108
Montcalm	26,411	10,686	6,453	1,268	44,818	1,562,078.56	4,742	828	930	459
Montmorency	4,717	2,275	1,433	166	8,591	280,644.10	1,696	570	241	35
Muskegon	91,931	23,673	16,402	4,748	136,754	4,700,345.15	12,334	1,861	3,019	1,495
Newaygo	19,138	8,571	4,961	1,085	33,755	1,164,177.88	4,530	826	945	260
Oakland	707,835	112,190	67,434	17,241	904,700	36,122,892.72	59,632	11,182	11,563	6,370
Oceana	11,454	5,448	2,536	577	20,015	711,590.07	1,924	524	609	126
Ogemaw	9,525	4,690	2,755	385	17,355	658,609.93	2,497	706	547	56
Ontonagon	4,612	2,355	1,292	179	8,438	269,552.74	1,059	530	598	20
Osceola	10,386	4,881	2,514	444	18,225	623,945.00	1,733	501	446	52
Oscoda	4,200	2,012	1,190	153	7,555	254,539.42	1,372	409	382	18
Otsego	9,380	4,124	2,259	383	16,146	651,596.63	1,980	617	428	34
Ottawa	99,147	26,816	21,649	4,488	152,100	5,832,888.57	14,878	2,494	3,247	1,921
Presque Isle	7,256	3,641	2,084	283	13,264	467,972.47	2,195	634	511	50
Roscommon	12,004	4,361	3,316	407	20,088	647,170.86	4,887	1,520	726	137
Saginaw	130,315	30,038	21,925	4,050	186,328	6,862,257.16	15,167	3,704	4,604	959
St. Clair	83,965	22,808	12,780	3,070	122,623	4,379,956.06	11,175	2,128	2,348	832
St. Joseph	32,282	11,833	6,472	1,844	52,431	1,848,175.92	6,918	666	669	443
Sanilac	21,701	8,820	4,135	1,025	35,681	1,330,790.95	1,696	587	617	60
Schoolcraft	4,182	2,235	1,346	205	7,968	287,865.60	1,550	420	892	25
Shiawassee	39,721	13,363	7,833	2,055	62,972	2,216,709.77	4,525	1,305	1,802	374
Tuscola	29,887	12,412	7,664	1,528	51,491	1,803,624.12	4,020	1,695	2,280	180
Van Buren	25,383	13,448	6,297	1,729	56,857	1,914,133.47	6,193	783	731	377
Washtenaw	158,134	29,358	14,999	5,342	207,833	7,047,632.06	12,984	2,204	1,939	1,340
Wayne	1,238,132	171,831	98,932	26,820	1,535,715	61,989,830.09	69,644	9,005	12,219	10,349
Wexford	14,220	5,374	3,431	610	23,635	856,574.53	3,544	657	546	99
Non-Resident	41,722	14,687	17,087	249	73,745	11,450,518.74	24,783	1,598	1,387	80
Unknown County	–	–	–	–	–	–	5,154	214	1,134	684
TOTALS	**5,501,421**	**1,266,909**	**779,440**	**183,933**	**7,731,703**		**645,197**	**118,641**	**139,411**	**53,555**

* 1986 Michigan Department of State format change that reflects only the number of registrations processed in a particular year.

ANNUAL REPORT

- There were **1,632** persons killed and **158,032** persons injured in **400,694** reported motor vehicle traffic accidents in Michigan during 1986. Compared with 1985 experience, deaths increased **4.0** percent, injuries increased **0.4** percent, and total reported accidents showed a **3.6** percent increase.
- This year deaths were the highest since 1980.
- Some exposure factor comparisons between 1986 and 1985 show motor vehicle registrations rose **1.3** percent, vehicle mileage rose **3.2** percent, and licensed drivers increased **0.6** percent.
- Even with the increase in exposure factors in 1986, the 1985 death rate of **2.3** per 100 million miles of travel was maintained in 1986.
- Urban deaths increased **3.2** percent, injuries decreased **0.2** percent, and total accidents increased **2.3** percent as compared to 1985.
- Rural deaths increased **4.4** percent, injuries increased **1.3** percent, and total accidents increased **5.5** percent as compared to 1985.
- Urban areas accounted for **59** percent of all accidents and **33** percent of all traffic deaths.
- Rural areas accounted for **41** percent of all accidents and **67** percent of all traffic deaths.
- Rural areas accounted for **40** percent of all injuries while **60** percent were in urban areas.
- Pedestrian death decreased **12** persons from the 1985 figure. Rural pedestrian deaths were down 7 from 1985 and urban pedestrian deaths were down a total of 5 persons.

MOTOR VEHICLE TRAFFIC ACCIDENTS IN MICHIGAN

PERIOD YEAR - 1986

Compiled by the Michigan State Police

Col. Gerald L. Hough, Director

SUMMARY OF ALL REPORTED ACCIDENTS

SUMMARY INCLUDES INFORMATION AVAILABLE ______

STATEWIDE

TOTAL ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		TOTAL	FATAL	INJURY	P.D.	TOTAL OCCUP.	KILLED	INJURED	NOT INJURED	INJURED			ACCIDENTS	KILLED	INJURED
										A	B	C			
	1. OVERTURNED	12411	128	6897	5386	18871	140	9237	9494	2075	3787	3375	12411	140	9237
	2. OTHER NON-COLLISION	2063	25	548	1490	3632	25	625	2982	173	283	169	2063	25	625
COLLISION WITH:	3. PEDESTRIAN	4495	221	4121	153	11246	224	4409	6613	1518	1569	1322	4495	224	4409
	4. M.V. IN TRANSPORT	256396	665	72011	183720	799217	772	114401	684044	13562	27130	73709	256396	772	114401
	5. M.V. - OTHER ROADWAY	102	1	40	61	305	1	71	233	12	23	36	102	1	71
	6. PARKED M.V.	30820	19	2664	28137	40294	22	3286	36986	489	1321	1476	30820	22	3286
	7. RAILROAD TRAIN	287	21	114	152	418	22	159	237	55	64	40	287	22	159
	8. PEDALCYCLIST	4461	45	3694	722	10944	48	3871	7025	759	1812	1300	4461	48	3871
	9. ANIMAL	33915	4	797	33114	54781	4	925	53852	99	351	475	33915	4	925
	10. FIXED OBJECT	53679	333	16167	37179	79044	369	20698	57977	4358	8270	8070	53679	369	20698
	11. OTHER OBJECT	2065	4	270	1791	3336	5	350	2981	69	118	163	2065	5	350
	TOTALS	400694	1466	107323	291905	1022088	1632	158032	862424	23169	44728	90135	400694	1632	158032

ON ROADWAY ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		TOTAL	FATAL	INJURY	P.D.	TOTAL OCCUP.	KILLED	INJURED	NOT INJURED	INJURED			ACCIDENTS	KILLED	INJURED
										A	B	C			
	1. OVERTURNED	2269	25	1561	683	3258	26	1934	1298	504	906	524	2269	26	1934
	2. OTHER NON-COLLISION	1697	21	486	1190	3071	21	554	2496	160	254	140	1697	21	554
COLLISION WITH:	3. PEDESTRIAN	4286	215	3920	151	10742	218	4162	6362	1431	1495	1236	4286	218	4162
	4. M.V. IN TRANSPORT	255964	661	71893	183410	797916	767	114207	682942	13518	27070	73619	255964	767	114207
	5. M.V. - OTHER ROADWAY	102	1	40	61	305	1	71	233	12	23	36	102	1	71
	6. PARKED M.V.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7. RAILROAD TRAIN	282	21	114	147	412	22	159	231	55	64	40	282	22	159
	8. PEDALCYCLIST	4285	43	3548	694	10526	46	3718	6762	733	1746	1239	4285	46	3718
	9. ANIMAL	33844	4	786	33054	54669	4	914	53751	97	350	467	33844	4	914
	10. FIXED OBJECT	2354	3	447	1904	3510	4	570	2936	95	186	289	2354	4	570
	11. OTHER OBJECT	1925	4	236	1685	3127	5	313	2809	57	104	152	1925	5	313
	TOTALS	307008	998	83031	222979	887536	1114	126602	759820	16662	32198	77742	307008	1114	126602

OFF ROADWAY ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		TOTAL	FATAL	INJURY	P.D.	TOTAL OCCUP.	KILLED	INJURED	NOT INJURED	INJURED			ACCIDENTS	KILLED	INJURED
										A	B	C			
	1. OVERTURNED	10142	103	5336	4703	15613	114	7303	8196	1571	2881	2851	10142	114	7303
	2. OTHER NON COLLISION	366	4	62	300	561	4	71	486	13	29	29	366	4	71
COLLISION WITH:	3. PEDESTRIAN	209	6	201	2	504	6	247	251	87	74	86	209	6	247
	4. M.V. IN TRANSPORT	432	4	118	310	1301	5	194	1102	44	60	90	432	5	194
	5. M.V.-OTHER ROADWAY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6. PARKED M.V.	30820	19	2664	28137	40294	22	3286	36986	489	1321	1476	30820	22	3286
	7. RAILROAD TRAIN	5	0	0	5	6	0	0	6	0	0	0	5	0	0
	8. PEDALCYCLIST	176	2	146	28	418	2	153	263	26	66	61	176	2	153
	9. ANIMAL	71	0	11	60	112	0	11	101	2	1	8	71	0	11
	10. FIXED OBJECT	51325	330	15720	35275	75534	365	20128	55041	4263	8084	7781	51325	365	20128
	11. OTHER OBJECT	140	0	34	106	209	0	37	172	12	14	11	140	0	37
	TOTALS	93686	468	24292	68926	134552	518	31430	102604	6507	12530	12393	93686	518	31430

ROAD SURFACE	NUMBER OF ACCIDENTS			
	TOTAL	FATAL	INJURY	P.D.
DRY	250941	1093	69048	180800
WET	88297	241	25127	62929
SNOWY/ICY	58471	111	12386	45974
OTHER	2985	21	762	2202
TOTAL	400694	1466	107323	291905

LIGHT CONDITION	NUMBER OF ACCIDENTS			
	TOTAL	FATAL	INJURY	P.D.
DAYLIGHT	248187	662	67878	179647
DAWN/DUSK	20123	61	4735	15327
DARKNESS/LIGHTS	39652	243	12301	27108
DARKNESS/NO LIGHTS	91277	491	22228	68558
NOT STATED	1455	9	181	1265
TOTAL	400694	1466	107323	291905

AGE	NUMBER OF PERSONS KILLED									
	TOTAL	MALE	FEMALE	DRIVER	PASS.	PED.	PEDAL/CYCLE	M/CYCLE	FARM	OTHER
0 - 4	28	13	15	0	20	7	0	0	0	1
5 - 9	32	21	11	2	2	20	8	0	0	0
10 - 14	61	39	22	6	16	19	14	2	2	2
15 - 19	268	188	80	106	109	25	10	16	1	1
20 - 24	251	189	62	139	68	21	2	21	0	0
25 - 34	317	244	73	182	46	36	4	47	0	2
35 - 44	189	137	52	116	29	24	1	18	1	0
45 - 54	118	76	42	74	20	17	2	3	0	2
55 - 64	104	68	36	61	20	19	1	0	1	2
65 - 74	118	54	64	58	31	24	1	3	1	0
75 & Over	144	75	69	64	50	25	5	0	0	0
Not Stated	2	1	1	0	0	2	0	0	0	0
TOTAL	1632	1105	527	808	411	239	48	110	6	10

CODE OF INJURY

A INCAPACITATING INJURY

Any injury other than fatal which prevents normal activities and generally requires hospitalization.

B NON-INCAPACITATING INJURY

Any injury not incapacitating but evident to others at the scene.

C POSSIBLE INJURY

No visible injury but complaint of pain or momentary inconsciousness.

AGE	NUMBER OF PERSONS INJURED									
	TOTAL	MALE	FEMALE	DRIVER	PASS.	PED.	PEDAL/CYCLE	M/CYCLE	FARM	OTHER
0 - 4	3101	1603	1498	0	2769	260	47	8	0	17
5 - 9	4724	2519	2205	13	3306	726	636	21	0	22
10 - 14	6350	3424	2926	152	3763	680	1374	331	3	47
15 - 19	28662	15055	13607	14927	10720	648	790	1411	2	164
20 - 24	26368	14645	11723	17422	6555	438	333	1427	13	180
25 - 34	35160	18765	16395	25334	6857	670	314	1630	12	343
35 - 44	21090	10248	10842	15729	3923	434	146	678	11	169
45 - 54	11525	5334	6191	8466	2430	245	51	225	7	101
55 - 64	9357	4280	5077	6564	2426	197	25	74	2	69
65 - 74	5733	2445	3288	3673	1805	159	31	20	4	41
75 & Over	3117	1348	1769	1892	1063	131	11	5	1	14
Not Stated	2845	1466	1379	1562	1029	80	29	95	1	49
TOTAL	158032	81132	76900	95734	46646	4668	3787	5925	56	1216

TS-1 (PART 1)

TS-1 (PART 2) (Rev. 3-85)

STATEWIDE

MUNICIPALITIES	NUMBER OF PERSONS											THIS YEAR TO DATE			
	TOTAL OCCUP.	KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		TOTAL	ON ROADWAY	OFF ROADWAY	TOTAL	ON ROADWAY	OFF ROADWAY	A	B	C	NOT INJURED	KILLED	INJURED	KILLED	INJURED
1. TOWNSHIPS	358683	1063	669	394	60824	41118	19706	11934	19496	29394	296796	669	41118	394	19706
2. UNDER 1,000	6987	10	7	3	923	720	203	155	367	401	6054	7	720	3	203
3. 1,000 - 2,500	19527	18	11	7	2149	1770	379	343	738	1068	17360	11	1770	7	379
4. 2,500 - 5,000	29320	25	15	10	3476	2966	510	432	1096	1948	25819	15	2966	10	510
5. 5,000 - 10,000	35956	29	16	13	4353	3761	592	606	1285	2462	31574	16	3761	13	592
6. 10,000 - 25,000	75903	59	49	10	10219	8990	1229	1225	2901	6093	65625	49	8990	10	1229
7. 25,000 - 50,000	111496	87	68	19	15364	13648	1716	2003	4034	9327	96045	68	13648	19	1716
8. 50,000 - 100,000	132592	121	104	17	20349	18081	2268	2121	5320	12908	112122	104	18081	17	2268
9. 100,000 - 250,000	113436	104	82	22	16332	14472	1860	1681	4414	10237	97000	82	14472	22	1860
10. 250,000 OR MORE	138188	116	93	23	24043	21076	2967	2669	5077	16297	114029	93	21076	23	2967
TOTALS	1022088	1632	1114	518	158032	126602	31430	23169	44728	90135	862424	1114	126602	518	31430

MUNICIPALITIES	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.
1. TOWNSHIPS	153924	941	40247	112736	109042	588	25296	83158	44882	353	14951	29578	153924	941	40247	112736
2. UNDER 1,000	2717	10	621	2086	1880	7	459	1414	837	3	162	672	2717	10	621	2086
3. 1,000 - 2,500	7427	17	1555	5855	5540	10	1236	4294	1887	7	319	1561	7427	17	1555	5855
4. 2,500 - 5,000	10867	22	2447	8398	8550	13	2060	6477	2317	9	387	1921	10867	22	2447	8398
5. 5,000 - 10,000	13324	28	3044	10252	10229	15	2577	7637	3095	13	467	2615	13324	28	3044	10252
6. 10,000 - 25,000	28403	56	7183	21164	22548	47	6186	16315	5855	9	997	4849	28403	56	7183	21164
7. 25,000 - 50,000	41368	81	10779	30508	33471	64	9376	24031	7897	17	1403	6477	41368	81	10779	30508
8. 50,000 - 100,000	48524	109	14106	34309	39862	94	12248	27520	8662	15	1858	6789	48524	109	14106	34309
9. 100,000 - 250,000	41956	96	11437	30423	34216	75	9941	24200	7740	21	1496	6223	41956	96	11437	30423
10. 250,000 OR MORE	52184	106	15904	36174	41670	85	13652	27933	10514	21	2252	8241	52184	106	15904	36174
TOTALS	400694	1466	107323	291905	307008	998	83031	222979	93686	468	24292	68926	400694	1466	107323	291905

CLASS OF TRAFFICWAY	NUMBER OF PERSONS											THIS YEAR TO DATE			
	TOTAL OCCUP.	KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		TOTAL	ON ROADWAY	OFF ROADWAY	TOTAL	ON ROADWAY	OFF ROADWAY	A	B	C	NOT INJURED	KILLED	INJURED	KILLED	INJURED
1. INTERSTATE SYSTEM	57765	85	50	35	9501	6551	2950	1394	2610	5497	48179	50	6551	35	2950
2. OTHER FULL CONTROL	12630	26	11	15	2270	1543	727	329	616	1325	10334	11	1543	15	727
3. OTHER U.S. ROUTE	75434	149	121	28	11172	9597	1575	1657	2997	6518	64113	121	9597	28	1575
4. OTHER STATE M ROUTES	205289	347	284	63	30313	26844	3469	4425	7880	18008	174629	284	26844	63	3469
5. OTHER MAJOR ART'L.	38456	40	35	5	5276	4879	397	663	1383	3230	33140	35	4879	5	397
6. COUNTY ROADS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. LOCAL STREETS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. OTHER TRAFFICWAYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. LOCAL ROADS—N.K.	632514	985	613	372	99500	77188	22312	14701	29242	55557	532029	613	77188	372	22312
TOTALS	1022088	1632	1114	518	158032	126602	31430	23169	44728	90135	862424	1114	126602	518	31430

CLASS OF TRAFFICWAY	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.
1. INTERSTATE SYSTEM	23393	82	6576	16735	16766	49	4301	12416	6627	33	2275	4319	23393	82	6576	16735
2. OTHER FULL CONTROL	5153	22	1565	3566	3723	11	1013	2699	1430	11	552	867	5153	22	1565	3566
3. OTHER U.S. ROUTE	27616	127	7275	20214	23465	103	6061	17301	4151	24	1214	2913	27616	127	7275	20214
4. OTHER STATE M ROUTES	74249	311	19909	54029	65059	252	17213	47594	9190	59	2696	6435	74249	311	19909	54029
5. OTHER MAJOR ART'L.	13183	37	3557	9589	11784	32	3236	8516	1399	5	321	1073	13183	37	3557	9589
6. COUNTY ROADS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. LOCAL STREETS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. OTHER TRAFFICWAYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. LOCAL ROADS – N.K.	257100	887	68441	187772	186211	551	51207	134453	70889	336	17234	53319	257100	887	68441	187772
TOTALS	400694	1466	107323	291905	307008	998	83031	222979	93686	468	24292	68926	400694	1466	107323	291905

PEDESTRIAN ACCIDENTS	ALL ACCIDENTS			FATAL			INJURY			PROPERTY DAMAGE		
	TOTAL	AT INTER.	NOT AT INTER.	TOTAL	AT INTER.	NOT AT INTER.	TOTAL	AT INTER.	NOT AT INTER.	TOTAL	AT INTER	NOT AT INTER.
1. CAR GOING STRAIGHT	3626	1571	2055	216	61	155	3287	1454	1833	123	56	67
2. CAR TURNING STRAIGHT	259	232	27	1	1	0	247	221	26	11	10	1
3. CAR TURNING LEFT	314	249	65	3	3	0	304	239	65	7	7	0
4. CAR BACKING	169	44	125	1	0	1	160	42	118	8	2	6
5. ALL OTHERS	100	36	64	0	0	0	98	36	62	2	0	2
6. NOT STATED	27	7	20	0	0	0	25	7	18	2	0	2
TOTALS	4495	2139	2356	221	65	156	4121	1999	2122	153	75	78

PEDESTRIAN ACTIONS BY AGE	PEDESTRIANS KILLED	AGE OF PEDESTRIANS KILLED AND INJURED									
		TOTAL	0 TO 4	5 TO 9	10 TO 14	15 TO 19	20 TO 24	25 TO 44	45 TO 64	65 & OLDER	NOT STATED
1a. CROSSING AT INTERSECTION OR IN CROSSWALK	59	1897	78	296	305	242	150	402	229	156	39
1b. CROSSING NOT AT INTERSECTION OR IN CROSSWALK	96	1407	153	351	223	156	104	221	79	108	12
2a. WALKING IN ROADWAY – WITH TRAFFIC	15	288	2	11	45	68	39	84	26	10	3
2b. WALKING IN ROADWAY – AGAINST TRAFFIC	8	49	0	0	13	14	3	9	9	1	0
3 . STANDING IN ROADWAY	14	228	5	8	19	40	36	85	20	11	4
4 . PUSHING OR WORKING ON VEHICLE IN ROADWAY	5	133	0	0	2	21	39	49	15	5	2
5 . OTHER WORKING IN ROADWAY	3	46	0	1	0	2	3	27	8	1	4
6 . PLAYING IN ROADWAY	1	67	9	30	15	7	3	1	1	0	1
7 . OTHER IN ROADWAY	15	247	5	18	24	32	38	80	32	11	7
8 . NOT IN ROADWAY	14	457	11	25	46	77	39	174	47	30	8
9 . NOT STATED	9	88	4	6	7	14	5	32	12	6	2
TOTALS	239	4907	267	746	699	673	459	1164	478	339	82

TS-1 (PART 2)

TS-1 (PART 3) (Rev. 3-85)

STATEWIDE

	TWO MOTOR VEHICLE ACCIDENTS	TOTAL	FATAL	INJURY	P.D.
AT INTERSECTION	1. ENTERING AT ANGLE	57428	222	18979	38227
	2a. FROM SAME DIRECTION (both going straight)	14581	5	2617	11959
	2b. SAME – ONE TURN, ONE STRAIGHT	13086	7	2340	10739
	2c. SAME–ONE STOPPED	32560	14	9994	22552
	2d. SAME–ALL OTHERS	2668	0	171	2497
	3a. FROM OPP. DIRECTION (both going straight)	2802	11	1018	1773
	3b. SAME–ONE LEFT TURN, ONE STRAIGHT	17840	37	6913	10890
	3c. SAME–ALL OTHERS	701	0	157	544
	4. NOT STATED	7352	3	645	6704
	TOTALS	149018	299	42834	105885

	TWO MOTOR VEHICLE ACCIDENTS	TOTAL	FATAL	INJURY	P.D.
NOT AT INTERSECTION	1. GOING OPP. DIRECTION (both going straight)	9352	227	3480	5645
	2. GOING SAME DIRECTION (both moving)	32883	51	7442	25390
	3a. ONE CAR PARKED	23468	16	2019	21433
	3b. ONE CAR STOPPED IN TRAFFIC	25673	17	8391	17265
	4a. ONE CAR ENTERING PARKED POS.	182	0	20	162
	4b. ONE CAR LEAVING PARKED POS.	1426	0	121	1305
	5a. ONE CAR ENTER. DRIVEWAY ACCESS	19617	39	5508	14070
	5b. ONE CAR LEAVING DRIVEWAY ACCESS	23588	34	4453	19101
	6. ALL OTHERS/NOT STATED	2111	2	447	1662
	TOTALS	138300	386	31881	106033

		ALL OTHER ACCIDENTS	TOTAL	FATAL	INJURY	P.D.
AT INTER.	COLLISION WITH	1. OTHER ROAD VEH., OR RR TRAIN	2584	19	2091	474
		2. FIXED OBJECT	13722	43	3706	9973
		3. OTHER OBJECT OR ANIMAL	1220	2	91	1127
		4. OVERTURNING	1481	15	920	546
		5. OTHER NONCOLLISION	443	7	179	257
NOT AT INTER.	COLLISION WITH	6. OTHER ROAD VEH., OR RR TRAIN	2164	47	1717	400
		7. FIXED OBJECT	39957	290	12461	27206
		8. OTHER OBJECT OR ANIMAL	34760	6	976	33778
		9. OVERTURNING	10930	113	5977	4840
		10. OTHER NONCOLLISION	1613	18	367	1228
		11. NOT STATED	7	0	2	5
		TOTALS	108881	560	28487	79834

HAZARDOUS ACTION *	NUMBER OF TRAFFIC UNITS			
	TOTAL	FATAL	INJURY	P.D.
1. NO VIOLATION	329794	1088	94066	234640
2. SPEED TOO FAST	39878	428	14435	25015
3. SPEED TOO SLOW	324	1	133	190
4. DISREGARD CONTROL/ROW	92485	456	33293	58736
5. WRONG WAY	723	15	289	419
6. LEFT CENTER/IMPROPER PASS/LANE	38058	214	7561	30283
7. IMPROPER TURN/SIGNAL	16587	25	3475	13087
8. IMPROPER BACKING/START	19090	2	990	18098
9. FOLLOWING/UNABLE TO STOP	134986	238	40454	94294
10. OTHER/NOT KNOWN	16973	74	5081	11818
11.				
12.				
13.				
14.				
TOTALS	688898	2541	199777	486580

CONTRIBUTING CIRCUMSTANCE *	NUMBER OF TRAFFIC UNITS			
	TOTAL	FATAL	INJURY	P.D.
1. NONE	312789	980	89211	222598
2. OUIL/DRUGS	13473	464	6137	6872
3. RECKLESS/CARELESS	10050	101	5257	4692
4. INATTENTION/ILL/ETC.	5333	14	2112	3207
5. VIOLATION LICENSE RESTRICTION	57	0	22	35
6. OBSCURED VISION	7780	17	2432	5331
7. DEFECTIVE EQUIPMENT	5470	9	1738	3723
8. LOST CONTROL/LOAD/WIND	215	1	61	153
9. SKIDDING	23391	78	6053	17260
10. OTHER/NOT KNOWN	310340	877	86754	222709
11.				
12.				
13.				
14.				
TOTALS	688898	2541	199777	486580

* Includes pedestrians and drivers

MANNER OF TWO MOTOR VEHICLE COLLISION	TOTAL	FATAL	INJURY	P.D.
1. HEAD ON	11180	236	4198	6746
2. REAR END	42313	52	9147	33114
3. SIDESWIPE - MEETING	197	0	38	159
4. SIDESWIPE - PASSING	1223	0	144	1079
5. ANGLE	37935	195	14770	22970
6. BACKED INTO	5066	0	285	4781
7. ALL OTHERS	189324	202	46113	143009
8. NOT STATED	80	0	20	60
TOTALS	287318	685	74715	211918

TYPE OF VEHICLE	TOTAL	FATAL	INJURY	P.D.
1. PASSENGER CAR	529869	1618	153620	374631
2. PASSENGER CAR AND TRAILER	2285	9	553	1723
3. TRUCK OR TRUCK TRACTOR	87915	331	21486	66098
4. TRUCK TRACTOR AND SEMI-TRAILER	8488	85	2004	6399
5. OTHER TRUCK COMBINATION	3252	23	685	2544
6. FARM TRACTOR AND/OR FARM EQUIP	394	6	127	261
7. BUS	1235	5	332	898
8. SCHOOL BUS	1662	4	307	1351
9. MOTORCYCLE/MOTOR SCOOTER	6741	113	5454	1174
10. OTHER/NOT STATED	38298	44	6845	31409
TOTALS	680139	2238	191413	486488

DRINKING CONDITION DRIVERS	NUMBER OF DRIVERS			
	TOTAL	FATAL	INJURY	P.D
1. HAD BEEN DRINKING	39626	706	18055	20865
2. NOT KNOWN IF DRINKING	65591	70	12409	53112
3. HAD NOT BEEN DRINKING	574018	1458	160854	411706
TOTALS	679235	2234	191318	485683

DRINKING IN ACCIDENT	NUMBER OF ACCIDENTS			
	TOTAL	FATAL	INJURY	P.D
1. HAD BEEN DRINKING	38585	721	17521	20343
2. NOT KNOWN IF DRINKING	25060	12	3207	21841
3. HAD NOT BEEN DRINKING	337049	733	86595	249721
TOTALS	400694	1466	107323	291905

DRINKING CONDITION PEDESTRIAN	NUMBER OF PEDESTRIANS			
	TOTAL	FATAL	INJURY	P.D
1. HAD BEEN DRINKING	233	90	141	2
2. NOT KNOWN IF DRINKING	4121	44	3926	151
3. HAD NOT BEEN DRINKING	761	125	626	10
TOTALS	5115	259	4693	163

TS-1 (PART 3)

AGE OF DRIVER	NUMBER OF DRIVERS			
	TOTAL	FATAL	INJURY	P.D.
1. 15 AND YOUNGER	2323	23	1193	1107
2. 16	21290	53	6346	14891
3. 17	24888	78	7379	17431
4. 18 TO 19	49816	174	15083	34559
5. 20 TO 24	111094	399	33270	77425
6. 25 TO 34	163159	559	47820	114780
7. 35 TO 44	101933	348	29248	72337
8. 45 TO 54	55952	191	15858	39903
9. 55 TO 64	44060	159	12565	31336
10. 65 TO 74	25621	117	7166	18338
11. 75 AND OLDER	12597	94	3625	8878
12. NOT STATED *	66502	39	11765	54698
TOTALS	679235	2234	191318	485683
H & R DRIVERS (Not Apprehended)	0	0	0	0

* Includes Hit & Run Drivers

SEX OF DRIVER	TOTAL	FATAL	INJURY	P.D
1. MALE	444737	1703	120643	322391
2. FEMALE	234498	531	70675	163292
TOTALS	679235	2234	191318	485683

RESIDENCE OF DRIVER	TOTAL	FATAL	INJURY	P.D
1. LOCAL RESIDENT	489788	1603	143042	345143
2. RESIDING ELSEWHERE	127152	500	35818	90834
3. NON RESIDENT	10797	63	3025	7709
4. NOT STATED	51498	68	9433	41997
TOTALS	679235	2234	191318	485683
DRIVERLESS MOVING	904	4	95	805

MILEAGE RATES	THIS YEAR TO DATE	LAST YEAR SAME PERIOD	PERCENT CHANGE
1. Motor Vehicle Traffic Deaths	1632	1569	+4.0 %
2. Estimated Motor Veh. Mileage Traveled (billions)	70.6	68.4	+3.2 %
3. Death Rate Per 100-Million-Vehicle-Miles	2.3	2.3	0.0 %
4. Fatal Accident Rate Per 100-Million-Vehicle-Miles	2.1	2.1	0.0 %

MOTOR VEHICLE TRAFFIC ACCIDENTS IN MICHIGAN

PERIOD YEAR - 1986

Compiled by the Michigan State Police

Col. Gerald L. Hough, Director

SUMMARY OF ALL REPORTED ACCIDENTS

SUMMARY INCLUDES INFORMATION AVAILABLE ____________

URBAN

TOTAL ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		TOTAL	FATAL	INJURY	P.D.	TOTAL OCCUP.	KILLED	INJURED	NOT INJURED	INJURED			ACCIDENTS	KILLED	INJURED
										A	B	C			
	1. OVERTURNED	1904	10	1264	630	2647	10	1567	1070	357	721	489	1904	10	1567
	2. OTHER NON-COLLISION	787	12	242	533	1402	12	277	1113	80	114	83	787	12	277
COLLISION WITH:	3. PEDESTRIAN	3568	136	3305	127	8854	138	3488	5228	1135	1225	1128	3568	138	3488
	4. M.V. IN TRANSPORT	178974	214	48848	129912	549743	244	75257	474242	6791	16415	52051	178974	244	75257
	5. M.V. - OTHER ROADWAY	53	0	16	37	156	0	27	129	5	5	17	53	0	27
	6. PARKED M.V.	25414	10	2081	23323	32923	12	2526	30385	335	1032	1159	25414	12	2526
	7. RAILROAD TRAIN	145	8	60	77	208	8	84	116	18	37	29	145	8	84
	8. PEDALCYCLIST	3385	21	2797	567	8258	22	2917	5319	517	1363	1037	3385	22	2917
	9. ANIMAL	980	0	61	919	1505	0	68	1437	2	33	33	980	0	68
	10. FIXED OBJECT	20498	86	6105	14307	29810	94	7774	21942	1466	3131	3177	20498	94	7774
	11. OTHER OBJECT	918	1	121	796	1385	1	151	1233	31	51	69	918	1	151
	TOTALS	236626	498	64900	171228	636891	541	94136	542214	10737	24127	59272	236626	541	94136

ON ROADWAY ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		TOTAL	FATAL	INJURY	P.D.	TOTAL OCCUP.	KILLED	INJURED	NOT INJURED	INJURED			ACCIDENTS	KILLED	INJURED
										A	B	C			
	1. OVERTURNED	820	5	621	194	1087	5	729	353	175	364	190	820	5	729
	2. OTHER NON-COLLISION	706	11	228	467	1288	11	261	1016	76	106	79	706	11	261
COLLISION WITH:	3. PEDESTRIAN	3431	133	3173	125	8528	135	3329	5064	1083	1184	1062	3431	135	3329
	4. M.V. IN TRANSPORT	178780	214	48795	129771	549192	244	75183	473765	6784	16399	52000	178780	244	75183
	5. M.V. - OTHER ROADWAY	53	0	16	37	156	0	27	129	5	5	17	53	0	27
	6. PARKED M.V.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7. RAILROAD TRAIN	144	8	60	76	207	8	84	115	18	37	29	144	8	84
	8. PEDALCYCLIST	3237	19	2675	543	7913	20	2791	5102	499	1306	986	3237	20	2791
	9. ANIMAL	970	0	57	913	1494	0	64	1430	2	32	30	970	0	64
	10. FIXED OBJECT	1545	2	311	1232	2279	3	392	1884	59	123	210	1545	3	392
	11. OTHER OBJECT	860	1	104	755	1300	1	134	1165	26	44	64	860	1	134
	TOTALS	190546	393	56040	134113	573444	427	82994	490023	8727	19600	54667	190546	427	82994

OFF ROADWAY ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		TOTAL	FATAL	INJURY	P.D.	TOTAL OCCUP.	KILLED	INJURED	NOT INJURED	INJURED			ACCIDENTS	KILLED	INJURED
										A	B	C			
1. OVERTURNED		1084	5	643	436	1560	5	838	717	182	357	299	1084	5	838
2. OTHER NON-COLLISION		81	1	14	66	114	1	16	97	4	8	4	81	1	16
COLLISION WITH:	3. PEDESTRIAN	137	3	132	2	326	3	159	164	52	41	66	137	3	159
	4. M.V. IN TRANSPORT	194	0	53	141	551	0	74	477	7	16	51	194	0	74
	5. M.V.-OTHER ROADWAY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6. PARKED M.V.	25414	10	2081	23323	32923	12	2526	30385	335	1032	1159	25414	12	2526
	7. RAILROAD TRAIN	1	0	0	1	1	0	0	1	0	0	0	1	0	0
	8. PEDALCYCLIST	148	2	122	24	345	2	126	217	18	57	51	148	2	126
	9. ANIMAL	10	0	4	6	11	0	4	7	0	1	3	10	0	4
	10. FIXED OBJECT	18953	84	5794	13075	27531	91	7382	20058	1407	3008	2967	18953	91	7382
	11. OTHER OBJECT	58	0	17	41	85	0	17	68	5	7	5	58	0	17
TOTALS		46080	105	8860	37115	63447	114	11142	52191	2010	4527	4605	46080	114	11142

ROAD SURFACE	NUMBER OF ACCIDENTS			
	TOTAL	FATAL	INJURY	P.D.
DRY	150812	388	42908	107516
WET	57156	88	16580	40488
SNOWY/ICY	27252	15	5130	22107
OTHER	1406	7	282	1117
TOTAL	236626	498	64900	171228

LIGHT CONDITION	NUMBER OF ACCIDENTS			
	TOTAL	FATAL	INJURY	P.D.
DAYLIGHT	160289	213	42915	117161
DAWN/DUSK	9682	16	2564	7102
DARKNESS/LIGHTS	34151	195	10560	23396
DARKNESS/NO LIGHTS	31524	71	8736	22717
NOT STATED	980	3	125	852
TOTAL	236626	498	64900	171228

AGE	NUMBER OF PERSONS KILLED									
	TOTAL	MALE	FEMALE	DRIVER	PASS.	PED.	PEDAL/CYCLE	M/CYCLE	FARM	OTHER
0 - 4	13	7	6	0	8	4	0	0	0	1
5 - 9	19	12	7	0	0	14	5	0	0	0
10 - 14	25	18	7	1	2	12	7	1	0	2
15 - 19	45	34	11	11	16	13	3	2	0	0
20 - 24	79	56	23	35	25	9	1	9	0	0
25 - 34	109	86	23	52	15	19	1	21	0	1
35 - 44	71	55	16	32	15	14	1	9	0	0
45 - 54	40	26	14	23	4	12	0	1	0	0
55 - 64	44	33	11	25	7	12	0	0	0	0
65 - 74	38	18	20	13	5	18	1	1	0	0
75 & Over	56	31	25	18	16	19	3	0	0	0
Not Stated	2	1	1	0	0	2	0	0	0	0
TOTAL	541	377	164	210	113	148	22	44	0	4

AGE	NUMBER OF PERSONS INJURED									
	TOTAL	MALE	FEMALE	DRIVER	PASS.	PED.	PEDAL/CYCLE	M/CYCLE	FARM	OTHER
0 - 4	1857	950	907	0	1586	217	35	5	0	14
5 - 9	3049	1638	1411	3	1951	604	467	12	0	12
10 - 14	3773	2055	1718	39	2027	531	989	174	0	13
15 - 19	14476	7300	7176	7223	5316	467	610	786	0	74
20 - 24	15397	8056	7341	10113	3767	335	290	789	1	102
25 - 34	21671	11106	10565	15538	4327	524	248	832	0	202
35 - 44	13189	6282	6907	9886	2432	336	113	323	1	98
45 - 54	7247	3290	3957	5395	1468	197	35	93	0	59
55 - 64	6116	2777	3339	4343	1519	161	20	32	0	41
65 - 74	3601	1519	2082	2330	1089	124	24	8	0	26
75 & Over	1853	750	1103	1112	620	100	10	2	0	9
Not Stated	1907	965	942	998	725	66	24	58	0	36
TOTAL	94136	46688	47448	56980	26827	3662	2865	3114	2	686

CODE OF INJURY

A INCAPACITATING INJURY

Any injury other than fatal which prevents normal activities and generally requires hospitalization.

B NON-INCAPACITATING INJURY

Any injury not incapacitating but evident to others at the scene.

C POSSIBLE INJURY

No visible injury but complaint of pain or momentary inconsciousness.

TS-1 (PART 1)

TS-1 (PART 2) (Rev. 3-85)

URBAN

MUNICIPALITIES	NUMBER OF PERSONS											THIS YEAR TO DATE			
	TOTAL OCCUP.	KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		TOTAL	ON ROADWAY	OFF ROADWAY	TOTAL	ON ROADWAY	OFF ROADWAY	A	B	C	NOT INJURED	KILLED	INJURED	KILLED	INJURED
1. TOWNSHIPS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2. UNDER 1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3. 1,000 - 2,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4. 2,500 - 5,000	29320	25	15	10	3476	2966	510	432	1096	1948	25819	15	2966	10	510
5. 5,000 - 10,000	35956	29	16	13	4353	3761	592	606	1285	2462	31574	16	3761	13	592
6. 10,000 - 25,000	75903	59	49	10	10219	8990	1229	1225	2901	6093	65625	49	8990	10	1229
7. 25,000 - 50,000	111496	87	68	19	15364	13648	1716	2003	4034	9327	96045	68	13648	19	1716
8. 50,000 - 100,000	132592	121	104	17	20349	18081	2268	2121	5320	12908	112122	104	18081	17	2268
9. 100,000 - 250,000	113436	104	82	22	16332	14472	1860	1681	4414	10237	97000	82	14472	22	1860
10. 250,000 OR MORE	138188	116	93	23	24043	21076	2967	2669	5077	16297	114029	93	21076	23	2967
TOTALS	636891	541	427	114	94136	82994	11142	10737	24127	59272	542214	427	82994	114	11142

MUNICIPALITIES	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.
1. TOWNSHIPS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2. UNDER 1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3. 1,000 - 2,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4. 2,500 - 5,000	10867	22	2447	8398	8550	13	2060	6477	2317	9	387	1921	10867	22	2447	8398
5. 5,000 - 10,000	13324	28	3044	10252	10229	15	2577	7637	3095	13	467	2615	13324	28	3044	10252
6. 10,000 - 25,000	28403	56	7183	21164	22548	47	6186	16315	5855	9	997	4849	28403	56	7183	21164
7. 25,000 - 50,000	41368	81	10779	30508	33471	64	9376	24031	7897	17	1403	6477	41368	81	10779	30508
8. 50,000 - 100,000	48524	109	14106	34309	39862	94	12248	27520	8662	15	1858	6789	48524	109	14106	34309
9. 100,000 - 250,000	41956	96	11437	30423	34216	75	9941	24200	7740	21	1496	6223	41956	96	11437	30423
10. 250,000 OR MORE	52184	106	15904	36174	41670	85	13652	27933	10514	21	2252	8241	52184	106	15904	36174
TOTALS	236626	498	64900	171228	190546	393	56040	134113	46080	105	8860	37115	236626	498	64900	171228

CLASS OF TRAFFICWAY	NUMBER OF PERSONS											THIS YEAR TO DATE			
	TOTAL OCCUP.	KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		TOTAL	ON ROADWAY	OFF ROADWAY	TOTAL	ON ROADWAY	OFF ROADWAY	A	B	C	NOT INJURED	KILLED	INJURED	KILLED	INJURED
1. INTERSTATE SYSTEM	35508	41	28	13	6049	4556	1493	730	1524	3795	29418	28	4556	13	1493
2. OTHER FULL CONTROL	8198	12	4	8	1567	1211	356	187	379	1001	6619	4	1211	8	356
3. OTHER U.S. ROUTE	37534	44	37	7	5416	4979	437	569	1274	3573	32074	37	4979	7	437
4. OTHER STATE M ROUTES	115067	88	81	7	16318	15258	1060	1756	3844	10718	98661	81	15258	7	1060
5. OTHER MAJOR ART'L.	31290	28	24	4	4109	3804	305	494	1054	2561	27153	24	3804	4	305
6. COUNTY ROADS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. LOCAL STREETS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. OTHER TRAFFICWAYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. LOCAL ROADS-N.K.	409294	328	253	75	60677	53186	7491	7001	16052	37624	348289	253	53186	75	7491
TOTALS	636891	541	427	114	94136	82994	11142	10737	24127	59272	542214	427	82994	114	11142

CLASS OF TRAFFICWAY	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.
1. INTERSTATE SYSTEM	13749	39	4184	9526	10623	27	3017	7579	3126	12	1167	1947	13749	39	4184	9526
2. OTHER FULL CONTROL	2985	8	1071	1906	2344	4	794	1546	641	4	277	360	2985	8	1071	1906
3. OTHER U.S. ROUTE	12848	35	3675	9138	11549	30	3329	8190	1299	5	346	948	12848	35	3675	9138
4. OTHER STATE M ROUTES	39265	81	11162	28022	35872	74	10316	25482	3393	7	846	2540	39265	81	11162	28022
5. OTHER MAJOR ART'L.	10724	25	2837	7862	9597	21	2590	6986	1127	4	247	876	10724	25	2837	7862
6. COUNTY ROADS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. LOCAL STREETS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. OTHER TRAFFICWAYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. LOCAL ROADS – N.K.	157055	310	41971	114774	120561	237	35994	84330	36494	73	5977	30444	157055	310	41971	114774
TOTALS	236626	498	64900	171228	190546	393	56040	134113	46080	105	8860	37115	236626	498	64900	171228

PEDESTRIAN ACCIDENTS	ALL ACCIDENTS			FATAL			INJURY			PROPERTY DAMAGE		
	TOTAL	AT INTER.	NOT AT INTER.	TOTAL	AT INTER.	NOT AT INTER.	TOTAL	AT INTER.	NOT AT INTER.	TOTAL	AT INTER.	NOT AT INTER.
1. CAR GOING STRAIGHT	2834	1403	1431	132	54	78	2600	1297	1303	102	52	50
2. CAR TURNING STRAIGHT	227	208	19	1	1	0	216	198	18	10	9	1
3. CAR TURNING LEFT	286	228	58	3	3	0	276	218	58	7	7	0
4. CAR BACKING	127	38	89	0	0	0	122	36	86	5	2	3
5. ALL OTHERS	74	29	45	0	0	0	73	29	44	1	0	1
6. NOT STATED	20	7	13	0	0	0	18	7	11	2	0	2
TOTALS	3568	1913	1655	136	58	78	3305	1785	1520	127	70	57

PEDESTRIAN ACTIONS BY AGE	PEDESTRIANS KILLED	AGE OF PEDESTRIANS KILLED AND INJURED									
		TOTAL	0 TO 4	5 TO 9	10 TO 14	15 TO 19	20 TO 24	25 TO 44	45 TO 64	65 & OLDER	NOT STATED
1a. CROSSING AT INTERSECTION OR IN CROSSWALK	51	1735	73	270	272	209	140	378	213	143	37
1b. CROSSING NOT AT INTERSECTION OR IN CROSSWALK	60	1063	120	281	164	106	80	170	58	74	10
2a. WALKING IN ROADWAY – WITH TRAFFIC	2	150	1	5	23	37	24	42	11	5	2
2b. WALKING IN ROADWAY – AGAINST TRAFFIC	3	28	0	0	5	7	2	8	5	1	0
3. STANDING IN ROADWAY	8	166	5	6	16	27	27	60	14	9	2
4. PUSHING OR WORKING ON VEHICLE IN ROADWAY	1	68	0	0	1	8	22	24	8	4	1
5. OTHER WORKING IN ROADWAY	1	27	0	0	0	2	0	17	4	1	3
6. PLAYING IN ROADWAY	1	54	8	23	14	6	2	1	0	0	0
7. OTHER IN ROADWAY	8	155	2	12	15	21	18	55	20	7	5
8. NOT IN ROADWAY	9	303	8	16	28	49	26	116	39	15	6
9. NOT STATED	4	61	4	5	5	8	3	22	10	2	2
TOTALS	148	3810	221	618	543	480	344	893	382	261	68

TS 1 (PART 2)

TS-1 (PART 3) (Rev. 3-86)

URBAN

	TWO MOTOR VEHICLE ACCIDENTS	TOTAL	FATAL	INJURY	P.D.
AT INTERSECTION	1. ENTERING AT ANGLE	42378	86	13671	28621
	2a. FROM SAME DIRECTION (both going straight)	11742	2	2048	9692
	2b. SAME – ONE TURN, ONE STRAIGHT	9522	3	1524	7995
	2c. SAME–ONE STOPPED	24871	9	7698	17164
	2d. SAME–ALL OTHERS	2042	0	139	1903
	3a. FROM OPP. DIRECTION (both going straight)	1809	3	640	1166
	3b. SAME–ONE LEFT TURN, ONE STRAIGHT	13561	16	5082	8463
	3c. SAME–ALL OTHERS	522	0	115	407
	4. NOT STATED	6442	2	576	5864
	TOTALS	112889	121	31493	81275

	TWO MOTOR VEHICLE ACCIDENTS	TOTAL	FATAL	INJURY	P.D.
NOT AT INTERSECTION	1. GOING OPP. DIRECTION (both going straight)	3653	42	1304	2307
	2. GOING SAME DIRECTION (both moving)	21822	21	4818	16983
	3a. ONE CAR PARKED	18972	8	1505	17459
	3b. ONE CAR STOPPED IN TRAFFIC	17923	6	5885	12032
	4a. ONE CAR ENTERING PARKED POS.	147	0	13	134
	4b. ONE CAR LEAVING PARKED POS.	1209	0	91	1118
	5a. ONE CAR ENTER. DRIVEWAY ACCESS	11000	14	2804	8182
	5b. ONE CAR LEAVING DRIVEWAY ACCESS	15455	11	2745	12699
	6. ALL OTHERS/NOT STATED	1371	1	287	1083
	TOTALS	91552	103	19452	71997

		ALL OTHER ACCIDENTS	TOTAL	FATAL	INJURY	P.D.
AT INTER.	COLLISION WITH	1. OTHER ROAD VEH.,OR RR TRAIN	2107	14	1716	377
		2. FIXED OBJECT	7645	27	2057	5561
		3. OTHER OBJECT OR ANIMAL	376	0	44	332
		4. OVERTURNING	475	4	332	139
		5. OTHER NONCOLLISION	244	3	112	129
NOT AT INTER.	COLLISION WITH:	6. OTHER ROAD VEH., OR RR TRAIN	1423	15	1141	26[illegible]
		7. FIXED OBJECT	12853	59	4048	8746
		8. OTHER OBJECT OR ANIMAL	1522	1	138	1383
		9. OVERTURNING	1429	6	932	491
		10. OTHER NONCOLLISION	541	9	129	403
		11. NOT STATED	2	0	1	1
		TOTALS	28617	138	10650	17829

HAZARDOUS ACTION *	NUMBER OF TRAFFIC UNITS			
	TOTAL	FATAL	INJURY	P.D.
1. NO VIOLATION	204261	432	63687	140142
2. SPEED TOO FAST	15934	116	5485	10333
3. SPEED TOO SLOW	176	0	68	108
4. DISREGARD CONTROL/ROW	67390	217	23896	43277
5. WRONG WAY	581	7	226	348
6. LEFT CENTER/IMPROPER PASS/LANE	26587	56	4550	21981
7. IMPROPER TURN/SIGNAL	11843	10	2301	9532
8. IMPROPER BACKING/START	14882	0	750	14132
9. FOLLOWING/UNABLE TO STOP	87096	74	25073	61949
10. OTHER/NOT KNOWN	10596	37	3029	7530
11.				
12.				
13.				
14.				
TOTALS	439346	949	129065	309332

CONTRIBUTING CIRCUMSTANCE *	NUMBER OF TRAFFIC UNITS			
	TOTAL	FATAL	INJURY	P.D.
1. NONE	193914	388	60706	132820
2. OUIL/DRUGS	7112	164	3129	3819
3. RECKLESS/CARELESS	4656	33	2434	2189
4. INATTENTION/ILL/ETC.	2846	5	1084	1757
5. VIOLATION LICENSE RESTRICTION	35	0	11	24
6. OBSCURED VISION	4853	8	1468	3377
7. DEFECTIVE EQUIPMENT	2919	5	941	1973
8. LOST CONTROL/LOAD/WIND	55	0	19	36
9. SKIDDING	11971	7	2870	9094
10. OTHER/NOT KNOWN	210985	339	56403	154243
11.				
12.				
13.				
14.				
TOTALS	439346	949	129065	309332

* Includes pedestrians and drivers

MANNER OF TWO MOTOR VEHICLE COLLISION	TOTAL	FATAL	INJURY	P.D.
1. HEAD ON	4843	45	1758	3040
2. REAR END	29951	23	6250	23678
3. SIDESWIPE - MEETING	106	0	17	89
4. SIDESWIPE - PASSING	980	0	118	862
5. ANGLE	28933	77	10846	18010
6. BACKED INTO	3645	0	209	3436
7. ALL OTHERS	135931	79	31736	104116
8. NOT STATED	52	0	11	41
TOTALS	204441	224	50945	153272

TYPE OF VEHICLE	TOTAL	FATAL	INJURY	P.D.
1. PASSENGER CAR	343763	570	101192	242001
2. PASSENGER CAR AND TRAILER	1229	3	316	910
3. TRUCK OR TRUCK TRACTOR	46187	92	11249	34846
4. TRUCK TRACTOR AND SEMI TRAILER	4706	26	1007	3673
5. OTHER TRUCK COMBINATION	1536	9	320	1207
6. FARM TRACTOR AND/OR FARM EQUIP.	42	0	7	35
7. BUS	1084	4	300	780
8. SCHOOL BUS	976	3	174	799
9. MOTORCYCLE/MOTOR SCOOTER	3702	44	2908	750
10. OTHER/NOT STATED	29345	21	5125	24199
TOTALS	432570	772	122598	309200

DRINKING CONDITION DRIVERS	NUMBER OF DRIVERS			
	TOTAL	FATAL	INJURY	P.D.
1. HAD BEEN DRINKING	20392	228	8925	11239
2. NOT KNOWN IF DRINKING	53148	48	10214	42886
3. HAD NOT BEEN DRINKING	358397	494	103405	254498
TOTALS	431937	770	122544	308623

DRINKING IN ACCIDENT	NUMBER OF ACCIDENTS			
	TOTAL	FATAL	INJURY	P.D.
1. HAD BEEN DRINKING	19880	247	8702	10931
2. NOT KNOWN IF DRINKING	20021	7	2597	17417
3. HAD NOT BEEN DRINKING	196725	244	53601	142880
TOTALS	236626	498	64900	171228

DRINKING CONDITION PEDESTRIAN	NUMBER OF PEDESTRIANS			
	TOTAL	FATAL	INJURY	P.D.
1. HAD BEEN DRINKING	177	53	123	1
2. NOT KNOWN IF DRINKING	3183	26	3031	126
3. HAD NOT BEEN DRINKING	615	78	528	9
TOTALS	3975	157	3682	136

TS-1 (PART 3)

AGE OF DRIVER	NUMBER OF DRIVERS			
	TOTAL	FATAL	INJURY	P.D.
1. 15 AND YOUNGER	1222	7	578	637
2. 16	11390	8	3192	8190
3. 17	13876	17	3976	9883
4. 18 TO 19	29114	37	8646	20431
5. 20 TO 24	69482	149	20780	48553
6. 25 TO 34	102724	206	30945	71573
7. 35 TO 44	62793	130	19000	43663
8. 45 TO 54	34669	64	10356	24249
9. 55 TO 64	29049	60	8622	20367
10. 65 TO 74	16968	32	4766	12170
11. 75 AND OLDER	8318	31	2248	6039
12. NOT STATED *	52332	29	9435	42868
TOTALS	431937	770	122544	308623
H & R DRIVERS (Not Apprehended)	0	0	0	0

* Includes Hit & Run Drivers

SEX OF DRIVER	TOTAL	FATAL	INJURY	P.D.
1. MALE	280943	601	76684	203658
2. FEMALE	150994	169	45860	104965
TOTALS	431937	770	122544	308623

RESIDENCE OF DRIVER	TOTAL	FATAL	INJURY	P.D.
1. LOCAL RESIDENT	318659	602	94055	224002
2. RESIDING ELSEWHERE	68407	113	19821	48473
3. NON-RESIDENT	5351	16	1376	3959
4. NOT STATED	39520	39	7292	32189
TOTALS	431937	770	122544	308623
DRIVERLESS MOVING	633	2	54	577

MILEAGE RATES	THIS YEAR TO DATE	LAST YEAR SAME PERIOD	PERCENT CHANGE
1. Motor Vehicle Traffic Deaths			%
2. Estimated Motor Veh. Mileage Traveled (billions)			%
3. Death Rate Per 100-Million-Vehicle-Miles			%
4. Fatal Accident Rate Per 100-Million-Vehicle-Miles			%

MOTOR VEHICLE TRAFFIC ACCIDENTS IN MICHIGAN

PERIOD YEAR - 1986

Compiled by the Michigan State Police

Col. Gerald L. Hough, Director

SUMMARY OF ALL REPORTED ACCIDENTS

SUMMARY INCLUDES INFORMATION AVAILABLE ____________

RURAL

TOTAL ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		TOTAL	FATAL	INJURY	P.D.	TOTAL OCCUP.	KILLED	INJURED	NOT INJURED	INJURED			ACCIDENTS	KILLED	INJURED
										A	B	C			
	1. OVERTURNED	10507	118	5633	4756	16224	130	7670	8424	1718	3066	2886	10507	130	7670
	2. OTHER NON COLLISION	1276	13	306	957	2230	13	348	1869	93	169	86	1276	13	348
COLLISION WITH:	3. PEDESTRIAN	927	85	816	26	2392	86	921	1385	383	344	194	927	86	921
	4. M.V. IN TRANSPORT	77422	451	23163	53808	249474	528	39144	209802	6771	10715	21658	77422	528	39144
	5. M.V. - OTHER ROADWAY	49	1	24	24	149	1	44	104	7	18	19	49	1	44
	6. PARKED M.V.	5406	9	583	4814	7371	10	760	6601	154	289	317	5406	10	760
	7. RAILROAD TRAIN	142	13	54	75	210	14	75	121	37	27	11	142	14	75
	8. PEDALCYCLIST	1076	24	897	155	2686	26	954	1706	242	449	263	1076	26	954
	9. ANIMAL	32935	4	736	32195	53276	4	857	52415	97	318	442	32935	4	857
	10. FIXED OBJECT	33181	247	10062	22872	49234	275	12924	36035	2892	5139	4893	33181	275	12924
	11. OTHER OBJECT	1147	3	149	995	1951	4	199	1748	38	67	94	1147	4	199
	TOTALS	164068	968	42423	120677	385197	1091	63896	320210	12432	20601	30863	164068	1091	63896

ON ROADWAY ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		TOTAL	FATAL	INJURY	P.D.	TOTAL OCCUP.	KILLED	INJURED	NOT INJURED	INJURED			ACCIDENTS	KILLED	INJURED
										A	B	C			
	1. OVERTURNED	1449	20	940	489	2171	21	1205	945	329	542	334	1449	21	1205
	2. OTHER NON COLLISION	991	10	258	723	1783	10	293	1480	84	148	61	991	10	293
COLLISION WITH:	3. PEDESTRIAN	855	82	747	26	2214	83	833	1298	348	311	174	855	83	833
	4. M.V. IN TRANSPORT	77184	447	23098	53639	248724	523	39024	209177	6734	10671	21619	77184	523	39024
	5. M.V. - OTHER ROADWAY	49	1	24	24	149	1	44	104	7	18	19	49	1	44
	6. PARKED M.V.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7. RAILROAD TRAIN	138	13	54	71	205	14	75	116	37	27	11	138	14	75
	8. PEDALCYCLIST	1048	24	873	151	2613	26	927	1660	234	440	253	1048	26	927
	9. ANIMAL	32874	4	729	32141	53175	4	850	52321	95	318	437	32874	4	850
	10. FIXED OBJECT	809	1	136	672	1231	1	178	1052	36	63	79	809	1	178
	11. OTHER OBJECT	1065	3	132	930	1827	4	179	1644	31	60	88	1065	4	179
	TOTALS	116462	605	26991	88866	314092	687	43608	269797	7935	12598	23075	116462	687	43608

TRAFFIC ACCIDENT SUMMARY FOR CITIES
1986

Cities	Total Accidents	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Persons Killed	Persons Injured
Adrian	1057	0	234	823	0	328
Albion	235	0	58	177	0	76
Algonac	97	0	25	72	0	37
Allegan	162	0	37	125	0	48
Allen Park	1,299	4	316	979	4	427
Alma	320	0	59	261	0	78
Alpena	409	2	103	304	2	140
Ann Arbor	4,206	3	1,061	3,142	3	1,439
Armada	19	1	1	17	1	1
Auburn Hills	1,158	4	366	788	4	530
Bad Axe	164	0	33	131	0	44
Battle Creek	2,839	7	732	2,100	7	1,007
Bay City	1,627	3	383	1,241	3	511
Belding	152	0	38	114	0	55
Benton Harbor	623	2	154	467	2	203
Berkley	664	0	194	470	0	273
Bessemer	45	0	8	37	0	11
Beverly Hills	370	1	126	243	1	176
Big Rapids	652	2	124	526	2	173
Birmingham	1,318	1	301	1,016	1	402
Blissfield	81	0	18	63	0	20
Bloomfield Hills	339	1	85	253	1	114
Boyne City	133	0	25	108	0	28
Brighton	383	0	86	297	0	120
Buchanan	131	0	34	97	0	40
Burton	1,205	7	398	800	9	561
Cadillac	600	2	135	463	2	181
Caro	238	0	44	194	0	69
Cassopolis	90	0	15	75	0	17
Center Line	546	0	148	398	0	204
Charlevoix	194	1	35	158	1	49
Charlotte	380	0	77	303	0	97
Cheboygan	57	0	37	20	0	46
Chelsea	135	0	22	113	0	37
Chesaning	97	0	16	81	0	29
Clare	153	0	25	128	0	36
Clawson	551	1	149	401	1	198
Clio	91	0	20	71	0	26
Coldwater	479	1	111	367	1	175
Corunna	110	1	23	86	1	28
Davison	175	0	49	126	0	68
Dearborn	5,334	12	1,472	3,850	12	2,102
Dearborn Heights	2,408	6	720	1,682	8	1,064
Detroit	52,184	106	15,904	36,174	116	24,043
Dowagiac	273	0	42	231	0	56
Durand	101	0	16	85	0	25
East Detroit	1,378	1	340	1,037	1	470
East Grand Rapids	245	0	31	214	0	42
East Jordan	51	0	9	42	0	14
East Lansing	1,579	0	387	1,192	0	506
Eaton Rapids	133	0	29	104	0	43
Ecorse	505	1	113	391	1	147
Escanaba	733	0	177	556	0	274
Essexville	96	0	16	80	0	22
Farmington	487	0	104	383	0	147
Farmington Hills	2,616	3	858	1,755	3	1,233
Fenton	468	3	136	329	3	189
Ferndale	664	0	346	318	0	483
Flat Rock	296	0	85	211	0	126
Flint	8,402	33	2,401	5,968	37	3,643
Flushing	178	0	42	136	0	63
Frankenmuth	167	1	28	138	1	42

TRAFFIC ACCIDENT SUMMARY FOR CITIES (Continued)

Cities	Total Accidents	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Persons Killed	Persons Injured
Franklin	108	2	21	85	2	32
Fraser	885	3	273	609	3	415
Fremont	210	0	47	163	0	69
Garden City	1,287	0	395	892	0	606
Gaylord	192	0	37	155	0	51
Gibralter	76	0	19	57	0	26
Gladstone	161	0	36	125	0	54
Grand Blanc	235	1	58	176	1	81
Grand Haven	791	1	153	637	1	211
Grand Ledge	166	0	45	121	0	61
Grand Rapids	9,930	12	2,463	7,455	14	3,273
Grandville	723	1	171	551	1	239
Grayling	183	1	50	132	1	75
Greenville	441	0	100	341	0	138
Grosse Pointe	181	1	38	142	1	55
Grosse Pointe Farms	238	0	50	188	0	64
Grosse Pointe Park	350	0	71	279	0	91
Grosse Pointe Shores	51	1	12	38	1	20
Grosse Pointe Woods	267	0	71	196	0	90
Hamtramck	896	4	191	701	5	264
Hancock	248	0	35	213	0	46
Harbor Springs	57	0	8	49	0	10
Harper Woods	507	0	148	359	0	208
Harrison	67	1	14	52	1	21
Hartford	62	0	10	52	0	12
Hastings	336	0	75	261	0	100
Hazel Park	1,536	2	489	1,045	2	694
Highland Park	1,275	6	402	867	8	580
Hillsdale	419	0	89	330	0	123
Holland	1,209	2	333	874	2	489
Holly	180	0	49	131	0	67
Houghton	290	1	58	231	1	84
Howell	365	0	70	295	0	121
Hudson	80	0	14	66	0	20
Hudsonville	110	0	20	90	0	24
Huntington Woods	214	1	56	157	1	79
Inkster	999	6	303	690	7	464
Ionia	295	0	58	237	0	68
Iron Mountain	254	2	84	168	2	114
Iron River	103	0	16	87	0	20
Ironwood	298	1	54	243	1	79
Ishpeming	299	0	45	254	0	62
Ithaca	65	0	10	55	0	14
Jackson	2,458	1	545	1,912	1	776
Kalamazoo	5,116	6	988	4,122	6	1,314
Keego Harbor	197	0	44	153	0	61
Kentwood	1,529	1	379	1,149	1	526
Kingsford	141	0	31	110	0	39
Lake Orion	204	0	43	161	0	56
L'Anse	69	0	18	51	0	28
Lansing	6,670	8	1,635	5,027	8	2,270
Lapeer	514	0	121	393	0	181
Lathrup Village	323	1	93	229	1	129
Laurium	41	0	5	36	0	5
Lincoln Park	1,873	4	459	1,410	4	635
Linden	48	0	10	38	0	13
Livonia	4,649	8	1,344	3,297	8	1,957
Lowell	167	0	52	115	0	82
Ludington	313	1	59	253	1	93
Madison Heights	2,098	7	667	1,424	7	996
Manchester	42	0	8	34	0	10
Manistee	349	0	75	274	0	114
Manistique	136	0	29	107	0	35

TRAFFIC ACCIDENT SUMMARY FOR CITIES (Continued)

Cities	Total Accidents	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Persons Killed	Persons Injured
Marine City	198	0	38	160	0	51
Marlette	70	0	10	60	0	15
Marquette	1,026	1	208	817	2	278
Marshall	253	1	42	210	1	56
Marysville	188	2	54	132	3	88
Mason	232	0	43	189	0	62
Melvindale	462	0	118	344	0	170
Memphis	32	0	7	25	0	8
Menominee	446	1	94	351	1	134
M.S.U.	463	0	102	361	0	129
Midland	1,464	4	309	1,151	4	427
Milan	95	0	18	77	0	26
Milford	194	1	44	149	1	60
Monroe	866	1	213	652	1	295
Montrose	40	0	8	32	0	8
Morrice	12	0	5	7	0	6
Mt. Clemens	874	2	252	620	2	348
Mt. Morris	104	0	24	80	0	31
Mt. Pleasant	848	1	222	625	1	319
Munising	72	0	14	58	0	15
Muskegon	2,210	4	632	1,574	4	905
Muskegon Heights	728	3	184	541	3	277
Negaunee	207	0	35	172	0	49
New Baltimore	206	0	75	131	0	121
New Buffalo	69	1	10	58	1	17
New Haven	80	1	24	55	1	40
Newberry	54	0	7	47	0	11
Niles	623	3	165	455	3	236
North Muskegon	113	0	17	96	0	24
Northville	197	0	44	153	0	67
Norton Shores	722	2	247	473	2	368
Norway	90	1	17	72	3	23
Novi	1,207	6	388	813	6	588
Oak Park	1,295	1	262	1,032	1	346
Otsego	98	0	31	67	0	34
Owosso	594	2	129	463	2	177
Oxford	153	1	33	119	1	44
Paw Paw	182	1	49	132	1	69
Perry	42	0	5	37	0	7
Petoskey	363	0	54	309	0	70
Plainwell	148	0	25	123	0	35
Pleasant Ridge	178	0	49	129	0	66
Plymouth	415	0	90	325	0	121
Pontiac	4,451	10	1,231	3,210	13	1,779
Port Huron	1,748	4	295	1,449	4	457
Portage	1,604	3	359	1,242	3	547
Portland	101	0	14	87	0	18
Richland	26	0	3	23	0	3
Richmond	131	0	27	104	0	40
River Rouge	239	4	51	184	4	69
Riverview	329	0	78	251	0	123
Rochester	412	1	70	341	1	86
Rochester Hills	2,115	5	645	1,465	5	985
Rockwood	65	0	21	44	0	29
Rogers City	70	0	12	58	0	16
Romeo	172	0	35	137	0	55
Romulus	1,545	10	435	1,100	10	626
Roosevelt Park	97	1	26	70	1	35
Roseville	2,879	3	786	2,090	3	1,093
Royal Oak	2,531	5	832	1,694	7	1,188
Saginaw	3,708	10	930	2,768	12	1,309
St. Clair	112	0	25	87	0	36
St. Clair Shores	998	4	570	424	4	864

TRAFFIC ACCIDENT SUMMARY FOR CITIES (Continued)

Cities	Total Accidents	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Persons Killed	Persons Injured
St. Ignace	73	0	17	56	0	20
St. Johns	355	1	69	285	1	100
St. Joseph	477	0	94	383	0	127
St. Louis	102	0	21	81	0	28
Saline	217	0	46	171	0	65
Sandusky	58	0	9	49	0	11
Sault Ste. Marie	599	1	106	492	1	157
South Haven	198	0	50	148	0	62
South Lyon	89	0	19	70	0	32
Southfield	3,595	5	1,446	2,144	5	2,160
Southgate	1,465	3	436	1,026	3	630
Sparta	97	0	18	79	0	24
Spring Lake	147	0	36	111	0	49
Springfield	222	1	60	161	1	107
Sterling Heights	4,370	14	1,175	3,181	14	1,690
Sturgis	405	1	105	299	1	161
Swartz Creek	184	0	45	139	0	69
Taylor	3,215	14	1,111	2,090	16	1,716
Tecumseh	252	2	57	193	2	86
Three Rivers	338	0	62	276	0	87
Traverse City	1,398	1	309	1,088	1	453
Trenton	523	3	185	335	3	277
Troy	4,056	8	1,042	3,006	8	1,503
Utica	580	2	181	397	3	262
Vassar	76	0	14	62	0	21
Wakefield	49	0	9	40	0	11
Walker	885	3	226	656	5	358
Walled Lake	288	1	76	211	1	114
Warren	6,971	23	2,122	4,826	25	3,087
Wayne	713	1	232	480	1	358
W.M.U.	134	0	18	116	0	18
Westland	2,123	9	851	1,263	10	1,316
Whitehall	145	2	28	115	2	40
Williamston	72	0	12	60	0	16
Wixom	274	1	72	201	1	99
Wolverine Lake	70	0	17	53	0	30
Woodhaven	474	2	114	358	2	169
Wyandotte	1,232	1	267	964	1	362
Wyoming	3,315	7	833	2,475	7	1,138
Ypsilanti	1,401	1	261	1,139	1	378
Zeeland	132	0	37	95	0	55
Atlas Twp.	123	0	34	89	0	41
Benton Twp.	988	5	286	697	5	446
Blackman Twp.	877	5	203	669	6	303
Bloomfield Twp.	2,061	2	625	1,434	2	903
Bridgeport Twp.	497	3	122	372	3	171
Brownstown Twp.	815	2	275	538	3	438
Buena Vista Twp.	630	0	187	443	0	299
Canton Twp.	1,447	4	423	1,020	4	658
Clay Twp.	258	3	69	186	3	91
Clinton Twp.	3,558	13	1,113	2,432	15	1,599
Davison Twp.	312	0	110	202	0	167
Delhi Twp.	610	1	161	448	1	221
DeWitt Twp.	408	4	96	308	4	152
Emmet Twp.	570	3	130	437	3	205
Flint Twp.	1,952	8	604	1,340	9	907
Genesee Twp.	773	6	211	556	7	303
Grand Blanc Twp.	780	6	191	583	7	277
Green Oak Twp.	382	0	131	251	0	176
Grosse Ile Twp.	149	0	39	110	0	52
Hampton Twp.	246	2	68	176	2	108
Huron Twp.	262	0	72	190	0	110
Kalamazoo Twp.	559	3	156	400	3	214

OFF ROADWAY ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		TOTAL	FATAL	INJURY	P.D.	TOTAL OCCUP.	KILLED	INJURED	NOT INJURED	INJURED			ACCIDENTS	KILLED	INJURED
										A	B	C			
1. OVERTURNED		9058	98	4693	4267	14053	109	6465	7479	1389	2524	2552	9058	109	6465
2. OTHER NON-COLLISION		285	3	48	234	447	3	55	389	9	21	25	285	3	55
COLLISION WITH:	3. PEDESTRIAN	72	3	69	0	178	3	88	87	35	33	20	72	3	88
	4. M.V. IN TRANSPORT	238	4	65	169	750	5	120	625	37	44	39	238	5	120
	5. M.V. OTHER ROADWAY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6. PARKED M.V.	5406	9	583	4814	7371	10	760	6601	154	289	317	5406	10	760
	7. RAILROAD TRAIN	4	0	0	4	5	0	0	5	0	0	0	4	0	0
	8. PEDALCYCLIST	28	0	24	4	73	0	27	46	8	9	10	28	0	27
	9. ANIMAL	61	0	7	54	101	0	7	94	2	0	5	61	0	7
	10. FIXED OBJECT	32372	246	9926	22200	48003	274	12746	34983	2856	5076	4814	32372	274	12746
	11. OTHER OBJECT	82	0	17	65	124	0	20	104	7	7	6	82	0	20
TOTALS		47606	363	15432	31811	71105	404	20288	50413	4497	8003	7788	47606	404	20288

ROAD SURFACE	NUMBER OF ACCIDENTS			
	TOTAL	FATAL	INJURY	P.D.
DRY	100129	705	26140	73284
WET	31141	153	8547	22441
SNOWY/ICY	31219	96	7256	23867
OTHER	1579	14	480	1085
TOTAL	164068	968	42423	120677

LIGHT CONDITION	NUMBER OF ACCIDENTS			
	TOTAL	FATAL	INJURY	P.D.
DAYLIGHT	87898	449	24963	62486
DAWN/DUSK	10441	45	2171	8225
DARKNESS/LIGHTS	5501	48	1741	3712
DARKNESS/NO LIGHTS	59753	420	13492	45841
NOT STATED	475	6	56	413
TOTAL	164068	968	42423	120677

AGE	NUMBER OF PERSONS KILLED									
	TOTAL	MALE	FEMALE	DRIVER	PASS.	PED.	PEDAL/ CYCLE	M/CYCLE	FARM	OTHER
0 - 4	15	6	9	0	12	3	0	0	0	0
5 - 9	13	9	4	2	2	6	3	0	0	0
10 - 14	36	21	15	5	14	7	7	1	2	0
15 - 19	223	154	69	95	93	12	7	14	1	1
20 - 24	172	133	39	104	43	12	1	12	0	0
25 - 34	208	158	50	130	31	17	3	26	0	1
35 - 44	118	82	36	84	14	10	0	9	1	0
45 - 54	78	50	28	51	16	5	2	2	0	2
55 - 64	60	35	25	36	13	7	1	0	1	2
65 - 74	80	36	44	45	26	6	0	2	1	0
75 & Over	88	44	44	46	34	6	2	0	0	0
Not Stated	0	0	0	0	0	0	0	0	0	0
TOTAL	1091	728	363	598	298	91	26	66	6	6

CODE OF INJURY

A INCAPACITATING INJURY

Any injury other than fatal which prevents normal activities and generally requires hospitalization.

B NON-INCAPACITATING INJURY

Any injury not incapacitating but evident to others at the scene.

C POSSIBLE INJURY

No visible injury but complaint of pain or momentary inconsciousness.

AGE	NUMBER OF PERSONS INJURED									
	TOTAL	MALE	FEMALE	DRIVER	PASS.	PED.	PEDAL/ CYCLE	M/CYCLE	FARM	OTHER
0 - 4	1244	653	[illegible]91	0	1183	43	12	3	0	3
5 - 9	1675	881	794	10	1355	122	169	9	0	10
10 - 14	2577	1369	1208	113	1736	149	385	157	3	34
15 - 19	14186	7755	6431	7704	5404	181	180	625	2	90
20 - 24	10971	6589	4382	7309	2788	103	43	638	12	78
25 - 34	13489	7659	5830	9796	2530	146	66	798	12	141
35 - 44	7901	3966	3935	5843	1491	98	33	355	10	71
45 - 54	4278	2044	2234	3071	962	48	16	132	7	42
55 - 64	3241	1503	1738	2221	907	36	5	42	2	28
65 - 74	2132	926	1206	1343	716	35	7	12	4	15
75 & Over	1264	598	666	780	443	31	1	3	1	5
Not Stated	938	501	437	564	304	14	5	37	1	13
TOTAL	63896	34444	29452	38754	19819	1006	922	2811	54	530

TS-1 (PART 1)

TS-1 (PART 2) (Rev. 3-85)

RURAL

MUNICIPALITIES	NUMBER OF PERSONS											THIS YEAR TO DATE			
	TOTAL OCCUP.	KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		TOTAL	ON ROADWAY	OFF ROADWAY	TOTAL	ON ROADWAY	OFF ROADWAY	A	B	C	NOT INJURED	KILLED	INJURED	KILLED	INJURED
1. TOWNSHIPS	358683	1063	669	394	60824	41118	19706	11934	19496	29394	296796	669	41118	394	19706
2. UNDER 1,000	6987	10	7	3	923	720	203	155	369	401	6054	7	720	3	203
3. 1,000 - 2,500	19527	18	11	7	2149	1770	379	343	738	1068	17360	11	1770	7	379
4. 2,500 - 5,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5. 5,000 - 10,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6. 10,000 - 25,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. 25,000 - 50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. 50,000 - 100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. 100,000 - 250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10. 250,000 OR MORE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTALS	385197	1091	687	404	63896	43608	20288	12432	20601	30863	320210	687	43608	404	20288

MUNICIPALITIES	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	TOTAL	FATAL	INJURY	P.D	TOTAL	FATAL	INJURY	P.D	TOTAL	FATAL	INJURY	P.D	TOTAL	FATAL	INJURY	P.D.
1. TOWNSHIPS	153924	941	40247	112736	109042	588	25296	83158	44882	353	14951	29578	153924	941	40247	112736
2. UNDER 1,000	2717	10	621	2086	1880	7	459	1414	837	3	162	672	2717	10	621	2086
3. 1,000 2,500	7427	17	1555	5855	5540	10	1236	4294	1887	7	319	1561	7427	17	1555	5855
4. 2,500 - 5,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5. 5,000 - 10,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6. 10,000 - 25,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. 25,000 - 50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. 50,000 - 100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. 100,000 - 250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10. 250,000 OR MORE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTALS	164068	968	42423	120677	116462	605	26991	88866	47606	363	15432	31811	164068	968	42423	120677

CLASS OF TRAFFICWAY	NUMBER OF PERSONS											THIS YEAR TO DATE			
	TOTAL OCCUP.	KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		TOTAL	ON ROADWAY	OFF ROADWAY	TOTAL	ON ROADWAY	OFF ROADWAY	A	B	C	NOT INJURED	KILLED	INJURED	KILLED	INJURED
1. INTERSTATE SYSTEM	22257	44	22	22	3452	1995	1457	664	1086	1702	18761	22	1995	22	1457
2. OTHER FULL CONTROL	4432	14	7	7	703	332	371	142	237	324	3715	7	332	7	371
3. OTHER U.S. ROUTE	37900	105	84	21	5756	4618	1138	1088	1723	2945	32039	84	4618	21	1138
4. OTHER STATE M ROUTES	90222	259	203	56	13995	11586	2409	2669	4036	7290	75968	203	11586	56	2409
5. OTHER MAJOR ART'L.	7166	12	11	1	1167	1075	92	169	329	669	5987	11	1075	1	92
6. COUNTY ROADS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. LOCAL STREETS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. OTHER TRAFFICWAYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. LOCAL ROADS—N.K.	223220	657	360	297	38823	24002	14821	7700	13190	17933	183740	360	24002	297	14821
TOTALS	385197	1091	687	404	63896	43608	20288	12432	20601	30863	320210	687	43608	404	20288

CLASS OF TRAFFICWAY	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.
1. INTERSTATE SYSTEM	9644	43	2392	7209	6143	22	1284	4837	3501	21	1108	2372	9644	43	2392	7209
2. OTHER FULL CONTROL	2168	14	494	1660	1379	7	219	1153	789	7	275	507	2168	14	494	1660
3 OTHER U.S. ROUTE	14768	92	3600	11076	11916	73	2732	9111	2852	19	868	1965	14768	92	3600	11076
4. OTHER STATE M ROUTES	34984	230	8747	26007	29187	178	6897	22112	5797	52	1850	3895	34984	230	8747	26007
5. OTHER MAJOR ART'L.	2459	12	720	1727	2187	11	646	1530	272	1	74	197	2459	12	720	1727
6. COUNTY ROADS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. LOCAL STREETS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. OTHER TRAFFICWAYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. LOCAL ROADS – N.K.	100045	577	26470	72998	65650	314	15213	50123	34395	263	11257	22875	100045	577	26470	72998
TOTALS	164068	968	42423	120677	116462	605	26991	88866	47606	363	15432	31811	164068	968	42423	120677

PEDESTRIAN ACCIDENTS	ALL ACCIDENTS			FATAL			INJURY			PROPERTY DAMAGE		
	TOTAL	AT INTER.	NOT AT INTER.	TOTAL	AT INTER.	NOT AT INTER.	TOTAL	AT INTER.	NOT AT INTER.	TOTAL	AT INTER.	NOT AT INTER.
1. CAR GOING STRAIGHT	792	168	624	84	7	77	687	157	530	21	4	17
2. CAR TURNING STRAIGHT	32	24	8	0	0	0	31	23	8	1	1	0
3. CAR TURNING LEFT	28	21	7	0	0	0	28	21	7	0	0	0
4. CAR BACKING	42	6	36	1	0	1	38	6	32	3	0	3
5. ALL OTHERS	26	7	19	0	0	0	25	7	18	1	0	1
6. NOT STATED	7	0	7	0	0	0	7	0	7	0	0	0
TOTALS	927	226	701	85	7	78	816	214	602	26	5	21

PEDESTRIAN ACTIONS BY AGE	PEDESTRIANS KILLED	AGE OF PEDESTRIANS KILLED AND INJURED									
		TOTAL	0 TO 4	5 TO 9	10 TO 14	15 TO 19	20 TO 24	25 TO 44	45 TO 64	65 & OLDER	NOT STATED
1a. CROSSING AT INTERSECTION OR IN CROSSWALK	8	162	5	26	33	33	10	24	16	13	2
1b. CROSSING NOT AT INTERSECTION OR IN CROSSWALK	36	344	33	70	59	50	24	51	21	34	2
2a. WALKING IN ROADWAY – WITH TRAFFIC	13	138	1	6	22	31	15	42	15	5	1
2b. WALKING IN ROADWAY – AGAINST TRAFFIC	5	21	0	0	8	7	1	1	4	0	0
3 . STANDING IN ROADWAY	6	62	0	2	3	13	9	25	6	2	2
4 . PUSHING OR WORKING ON VEHICLE IN ROADWAY	4	65	0	0	1	13	17	25	7	1	1
5 . OTHER WORKING IN ROADWAY	2	19	0	1	0	0	3	10	4	0	1
6 . PLAYING IN ROADWAY	0	13	1	7	1	1	1	0	1	0	1
7 . OTHER IN ROADWAY	7	92	3	6	9	11	20	25	12	4	2
8 . NOT IN ROADWAY	5	154	3	9	18	28	13	58	8	15	2
9 . NOT STATED	5	27	0	1	2	6	2	10	2	4	0
TOTALS	91	1097	46	128	156	193	115	271	96	78	14

TS-1 (PART 2)

TS-1 (PART 3) (Rev. 3-85)

RURAL

	TWO MOTOR VEHICLE ACCIDENTS	TOTAL	FATAL	INJURY	P.D.
AT INTERSECTION	1. ENTERING AT ANGLE	15050	136	5308	9606
	2a. FROM SAME DIRECTION (both going straight)	2839	3	569	2267
	2b. SAME – ONE TURN, ONE STRAIGHT	3564	4	816	2744
	2c. SAME–ONE STOPPED	7689	5	2296	5388
	2d. SAME–ALL OTHERS	626	0	32	594
	3a. FROM OPP. DIRECTION (both going straight)	993	8	378	607
	3b. SAME–ONE LEFT TURN, ONE STRAIGHT	4279	21	1831	2427
	3c. SAME–ALL OTHERS	179	0	42	137
	4. NOT STATED	910	1	69	840
	TOTALS	36129	178	11341	24610

	TWO MOTOR VEHICLE ACCIDENTS	TOTAL	FATAL	INJURY	P.D.
NOT AT INTERSECTION	1. GOING OPP. DIRECTION (both going straight)	5699	185	2176	3338
	2. GOING SAME DIRECTION (both moving)	11061	30	2624	8407
	3a. ONE CAR PARKED	4496	8	514	3974
	3b. ONE CAR STOPPED IN TRAFFIC	7750	11	2506	5233
	4a. ONE CAR ENTERING PARKED POS.	35	0	7	28
	4b. ONE CAR LEAVING PARKED POS.	217	0	30	187
	5a. ONE CAR ENTER. DRIVEWAY ACCESS	8617	25	2704	5888
	5b. ONE CAR LEAVING DRIVEWAY ACCESS	8133	23	1708	6402
	6. ALL OTHERS/NOT STATED	740	1	160	579
	TOTALS	46748	283	12429	34036

		ALL OTHER ACCIDENTS	TOTAL	FATAL	INJURY	P.D.
AT INTER.	COLLISION WITH:	1. OTHER ROAD VEH.,OR RR TRAIN	477	5	375	97
		2. FIXED OBJECT	6077	16	1649	4412
		3. OTHER OBJECT OR ANIMAL	844	2	47	795
		4. OVERTURNING	1006	11	588	407
		5. OTHER NONCOLLISION	199	4	67	128
NOT AT INTER.	COLLISION WITH:	6. OTHER ROAD VEH., OR RR TRAIN	741	32	576	133
		7. FIXED OBJECT	27104	231	8413	18460
		8. OTHER OBJECT OR ANIMAL	33238	5	838	32395
		9. OVERTURNING	9501	107	5045	4349
		10. OTHER NONCOLLISION	1072	9	238	825
		11. NOT STATED	5	0	1	4
		TOTALS	80264	422	17837	62005

HAZARDOUS ACTION *	NUMBER OF TRAFFIC UNITS			
	TOTAL	FATAL	INJURY	P.D.
1. NO VIOLATION	125533	656	30379	94498
2. SPEED TOO FAST	23944	312	8950	14682
3. SPEED TOO SLOW	148	1	65	82
4. DISREGARD CONTROL/ROW	25095	239	9397	15459
5. WRONG WAY	142	8	63	71
6. LEFT CENTER/IMPROPER PASS/LANE	11471	158	3011	8302
7. IMPROPER TURN/SIGNAL	4744	15	1174	3555
8. IMPROPER BACKING/START	4208	2	240	3966
9. FOLLOWING/UNABLE TO STOP	47890	164	15381	32345
10. OTHER/NOT KNOWN	6377	37	2052	4288
11.				
12.				
13.				
14.				
TOTALS	249552	1592	70712	177248

CONTRIBUTING CIRCUMSTANCE*	NUMBER OF TRAFFIC UNITS			
	TOTAL	FATAL	INJURY	P.D.
1. NONE	118875	592	28505	89778
2. DUIL/DRUGS	6361	300	3008	3053
3. RECKLESS/CARELESS	5394	68	2823	2503
4. INATTENTION/III/ETC.	2487	9	1028	1450
5. VIOLATION LICENSE RESTRICTION	22	0	11	11
6. OBSCURED VISION	2927	9	964	1954
7. DEFECTIVE EQUIPMENT	2551	4	797	1750
8. LOST CONTROL/LOAD/WIND	160	1	42	117
9. SKIDDING	11420	71	3183	8166
10. OTHER/NOT KNOWN	99355	538	30351	68466
11.				
12.				
13.				
14.				
TOTALS	249552	1592	70712	177248

* Includes pedestrians and drivers

MANNER OF TWO MOTOR VEHICLE COLLISION	TOTAL	FATAL	INJURY	P.D.
1. HEAD ON	6337	191	2440	3706
2. REAR END	12362	29	2897	9436
3 SIDESWIPE - MEETING	91	0	21	70
4. SIDESWIPE - PASSING	243	0	26	217
5. ANGLE	9002	118	3924	4960
6. BACKED INTO	1421	0	76	1345
7. ALL OTHERS	53393	123	14377	38893
8. NOT STATED	28	0	9	19
TOTALS	82877	461	23770	58646

TYPE OF VEHICLE	TOTAL	FATAL	INJURY	P.D.
1. PASSENGER CAR	186106	1048	52428	132630
2. PASSENGER CAR AND TRAILER	1056	6	237	813
3. TRUCK OR TRUCK TRACTOR	41728	239	10237	31252
4. TRUCK TRACTOR AND SEMI TRAILER	3782	59	997	2726
5. OTHER TRUCK COMBINATION	1716	14	365	1337
6. FARM TRACTOR AND/OR FARM EQUIP.	352	6	120	226
7. BUS	151	1	32	118
8. SCHOOL BUS	686	1	133	552
9. MOTORCYCLE/MOTOR SCOOTER	3039	69	2546	424
10. OTHER/NOT STATED	8953	23	1720	7210
TOTALS	247569	1466	68815	177288

DRINKING CONDITION DRIVERS	NUMBER OF DRIVERS			
	TOTAL	FATAL	INJURY	P.D.
1. HAD BEEN DRINKING	19234	478	9130	9626
2. NOT KNOWN IF DRINKING	12443	22	2195	10226
3. HAD NOT BEEN DRINKING	215621	964	57449	157208
TOTALS	247298	1464	68774	177060

DRINKING IN ACCIDENT	NUMBER OF ACCIDENTS			
	TOTAL	FATAL	INJURY	P.D.
1. HAD BEEN DRINKING	18705	474	8819	9412
2. NOT KNOWN IF DRINKING	5039	5	610	4424
3. HAD NOT BEEN DRINKING	140324	489	32994	106841
TOTALS	164068	968	42423	120677

DRINKING CONDITION PEDESTRIAN	NUMBER OF PEDESTRIANS			
	TOTAL	FATAL	INJURY	P.D.
1. HAD BEEN DRINKING	56	37	18	1
2. NOT KNOWN IF DRINKING	938	18	895	25
3. HAD NOT BEEN DRINKING	146	47	98	1
TOTALS	1140	102	1011	27

AGE OF DRIVER	NUMBER OF DRIVERS			
	TOTAL	FATAL	INJURY	P.D.
1. 15 AND YOUNGER	1101	16	615	470
2. 16	9900	45	3154	6701
3. 17	11012	61	3403	7548
4. 18 TO 19	20702	137	6437	14128
5. 20 TO 24	41612	250	12490	28872
6. 25 TO 34	60435	353	16875	43207
7. 35 TO 44	39140	218	10248	28674
8. 45 TO 54	21283	127	5502	15654
9. 55 TO 64	15011	99	3943	10969
10. 65 TO 74	8653	85	2400	6168
11. 75 AND OLDER	4279	63	1377	2839
12. NOT STATED *	14170	10	2330	11830
TOTALS	247298	1464	68774	144060
H & R DRIVERS (Not Apprehended)	0	0	0	0

* Includes Hit & Run Drivers

SEX OF DRIVER	TOTAL	FATAL	INJURY	P.D.
1. MALE	163794	1102	43959	118733
2. FEMALE	83504	362	24815	58327
TOTALS	247298	1464	68774	177060

RESIDENCE OF DRIVER	TOTAL	FATAL	INJURY	P.D.
1. LOCAL RESIDENT	171129	1001	48987	121141
2. RESIDING ELSEWHERE	58745	387	15997	42361
3. NON RESIDENT	5446	47	1649	3750
4. NOT STATED	11978	29	2141	9808
TOTALS	247298	1464	68774	177060
DRIVERLESS MOVING	271	2	41	228

MILEAGE RATES	THIS YEAR TO DATE	LAST YEAR SAME PERIOD	PERCENT CHANGE
1. Motor Vehicle Traffic Deaths			%
2. Estimated Motor Veh. Mileage Traveled (billions)			%
3. Death Rate Per 100-Million-Vehicle-Miles			%
4. Fatal Accident Rate Per 100-Million-Vehicle-Miles			%

TRAFFIC ACCIDENT SUMMARY FOR CITIES (Continued)

Cities	Total Accidents	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Persons Killed	Persons Injured
Leoni Twp.	640	3	170	467	3	252
Meridian Twp.	1,202	1	324	877	1	487
Montrose Twp.	135	1	48	86	1	84
Mt. Morris Twp.	985	6	335	644	7	516
Napoleon Twp.	199	4	60	135	4	80
Niles Twp.	467	7	144	316	7	232
Northville Twp.	337	2	107	228	2	172
Oakland Twp.	288	3	104	181	3	152
Pittsfield Twp.	986	5	244	737	5	331
Redford Twp.	2,267	6	565	1,696	7	805
Richfield Twp	225	1	73	151	1	96
Saginaw Twp.	1,540	3	393	1,144	3	563
St. Joseph Twp.	322	2	86	234	3	125
Shelby Twp.	1,581	8	464	1,109	9	715
Spaulding Twp.	92	0	18	74	0	29
Van Buren Twp.	720	6	184	530	6	276
Vienna Twp.	435	4	147	284	4	222
Waterford Twp.	3,841	11	1,183	2,647	13	1,841
West Bloomfield Twp.	1,458	2	338	1,118	2	490
White Lake Twp.	575	2	188	385	2	288
Wright Twp.	40	0	15	25	0	24

REPORTED STATEWIDE TRAFFIC ACCIDENTS BY COUNTY IN MICHIGAN

County	All	Fatal	Injury	Property Damage	Inter-state	Local Street	State Route	Persons Killed	Persons Injured
Alcona	461	3	85	373	0	262	199	5	113
Alger	335	3	81	251	0	134	201	3	117
Allegan	3,141	12	779	2,350	170	2,020	951	14	1,214
Alpena	1,117	8	242	867	0	589	528	8	352
Antrim	717	8	153	556	0	405	312	9	232
Arenac	873	7	169	697	81	404	388	7	257
Baraga	298	2	64	232	0	144	154	3	117
Barry	2,193	18	511	1,664	0	1,477	716	20	731
Bay	4,313	25	1,143	3,145	241	2,412	1,660	28	1,699
Benzie	491	0	99	392	0	301	190	0	153
Berrien	6,605	36	1,802	4,767	802	3,895	1,908	40	2,683
Branch	1,756	9	393	1,354	129	1,120	507	10	602
Calhoun	6,402	27	1,525	4,850	1,060	4,221	1,121	32	2,201
Cass	1,974	13	445	1,516	0	1,123	851	18	665
Charlevoix	1,066	2	196	868	0	534	532	2	270
Cheboygan	809	9	246	554	163	399	247	10	365
Chippewa	1,078	1	222	855	264	631	183	1	321
Clare	1,349	6	251	1,092	0	672	677	8	405
Clinton	2,362	15	546	1,801	264	1,429	669	17	822
Crawford	741	5	166	570	254	306	181	5	254
Delta	1,731	3	377	1,351	0	1,067	664	3	585
Dickinson	1,130	6	235	889	0	512	618	9	331
Eaton	3,693	19	912	2,762	420	1,678	1,595	19	1,349
Emmet	1,237	5	265	967	16	612	609	5	381
Genesee	18,578	91	5,519	12,968	1,514	12,644	4,420	103	8,261
Gladwin	962	3	159	800	0	544	418	3	246
Gogebic	587	2	103	482	0	306	281	2	149
Grand Traverse	3,395	14	855	2,526	0	2,204	1,191	14	1,262
Gratiot	1,500	4	322	1,174	0	894	606	4	449

REPORTED STATEWIDE TRAFFIC ACCIDENTS BY COUNTY IN MICHIGAN (Continued)

County	All	Fatal	Injury	Property Damage	Inter-state	Local Street	State Route	Persons Killed	Persons Injured
Hillsdale	1,834	10	395	1,429	0	1,175	659	10	568
Houghton	1,176	3	229	944	0	471	705	3	328
Huron	1,398	6	321	1,071	0	657	741	7	482
Ingham	13,317	21	3,209	10,087	1,938	7,710	3,669	23	4,471
Ionia	2,290	15	528	1,747	256	1,403	631	17	755
Iosco	1,398	8	261	1,129	0	740	658	9	392
Iron	576	3	87	486	0	279	297	3	135
Isabella	2,214	16	496	1,702	0	1,436	778	19	759
Jackson	6,952	28	1,657	5,267	1,070	4,416	1,466	33	2,398
Kalamazoo	10,551	32	2,271	8,248	953	7,461	2,137	34	3,204
Kalkaska	725	5	177	543	0	379	346	8	272
Kent	22,614	58	5,679	16,877	1,099	15,589	5,926	64	7,949
Keweenaw	68	1	17	50	0	23	45	1	24
Lake	585	3	97	485	0	353	232	3	137
Lapeer	2,938	18	776	2,144	117	1,694	1,127	20	1,267
Leelanau	625	1	129	495	0	298	327	1	191
Lenawee	3,608	24	870	2,714	0	2,039	1,569	27	1,317
Livingston	4,144	15	1,171	2,958	673	2,692	779	17	1,715
Luce	239	1	50	188	0	104	135	1	80
Mackinac	591	6	115	470	60	193	338	7	174
Macomb	28,783	94	8,646	20,043	1,463	18,485	8,835	103	12,605
Manistee	979	4	172	803	0	593	386	4	263
Marquette	2,720	6	587	2,127	0	1,651	1,069	7	835
Mason	1,257	6	231	1,020	0	765	492	8	341
Mecosta	2,140	12	366	1,762	0	1,137	1,003	13	547
Menominee	1,522	9	252	1,261	0	834	688	12	370
Midland	2,949	18	629	2,302	0	2,180	769	21	941
Missaukee	363	1	91	271	0	189	174	1	135
Monroe	4,491	27	1,471	2,993	418	2,628	1,445	27	2,239
Montcalm	2,466	14	488	1,964	0	1,401	1,065	17	750
Montmorency	444	2	84	358	0	240	204	2	122
Muskegon	6,507	23	1,870	4,614	352	4,681	1,474	23	2,736
Newaygo	1,772	16	400	1,356	0	1,056	716	19	626
Oakland	48,416	121	14,564	33,731	4,271	33,567	10,578	130	21,280
Oceana	854	3	211	640	0	572	282	3	302
Ogemaw	1,087	3	189	895	209	634	244	3	280
Ontonagon	327	3	68	256	0	103	224	3	100
Osceola	1,332	6	201	1,125	0	686	646	8	328
Oscoda	463	0	72	391	0	247	216	0	117
Otsego	810	4	180	626	190	434	186	4	280
Ottawa	6,070	35	1,597	4,438	345	4,116	1,609	36	2,325
Presque Isle	618	3	82	533	0	328	290	4	126
Roscommon	989	9	207	773	81	440	468	10	333
Saginaw	9,350	35	2,431	6,884	539	5,666	3,145	39	3,589
St. Clair	5,340	33	1,305	4,002	852	3,133	1,355	39	2,027
St. Joseph	2,497	9	668	1,820	0	1,229	1,268	9	955
Sanilac	1,558	9	330	1,219	0	795	763	12	510
Schoolcraft	395	2	95	298	0	141	254	3	122
Shiawassee	2,532	23	674	1,835	199	1,481	852	27	987
Tuscola	2,030	17	506	1,507	0	1,228	802	19	804
Van Buren	2,610	16	728	1,866	373	1,633	604	17	1,080
Washtenaw	11,903	36	3,040	8,827	1,437	7,484	2,982	40	4,244
Wayne	94,886	232	28,113	66,541	8,876	63,876	22,134	254	41,961
Wexford	1,497	5	375	1,117	0	598	899	6	568
TOTALS	400,694	1,466	107,323	291,905	31,149	256,282	113,263	1,632	158,032

MOTOR VEHICLE TRAFFIC DEATHS BY COUNTY

County	1982	1983	1984	1985	1986	5 Year Total
POPULATION UNDER 10,000						
Alcona	1	1	1	4	5	12
Alger	1	1	2	5	3	12
Baraga	2	3	3	7	3	18
Crawford	3	2	4	4	5	18
Keweenaw	1	1	0	0	1	3
Lake	3	5	0	4	3	15
Luce	1	3	3	1	1	9
Montmorency	3	2	3	3	2	13
Ontonagon	6	3	3	1	3	16
Oscoda	3	4	5	2	0	14
Schoolcraft	5	0	0	3	3	11
POPULATION 10,000-15,000						
Arenac	7	3	7	7	7	31
Benzie	2	5	2	2	0	11
Iron	0	1	3	0	3	7
Kalkaska	7	4	3	2	8	24
Leelanau	4	0	6	6	1	17
Mackinac	6	6	6	3	7	28
Missaukee	1	1	8	2	1	13
Otsego	3	6	5	8	4	26
Presque Isle	4	1	3	2	4	14
POPULATION 15,000-25,000						
Antrim	2	3	2	10	9	26
Charlevoix	2	5	6	4	2	19
Cheboygan	5	3	3	1	10	22
Clare	5	5	14	4	8	36
Emmet	7	5	7	12	5	36
Gladwin	3	4	9	1	3	20
Gogebic	2	7	4	1	2	16
Manistee	7	3	2	2	4	18
Oceana	9	6	8	3	2	28
Ogemaw	8	8	6	4	3	29
Osceola	10	8	6	6	8	38
Roscommon	1	4	6	4	10	25

MOTOR VEHICLE TRAFFIC DEATHS BY COUNTY (Continued)

County	1982	1983	1984	1985	1986	5 Year Total
POPULATION 25,000-50,000						
Alpena..........	14	6	1	6	8	35
Barry...........	19	12	10	14	20	75
Branch..........	5	15	7	8	10	45
Cass............	9	13	19	7	18	66
Chippewa........	8	2	7	3	1	21
Delta...........	6	7	4	7	3	27
Dickinson.......	1	6	4	3	9	23
Gratiot.........	11	8	11	12	4	46
Hillsdale.......	7	14	15	11	10	57
Houghton........	5	6	5	6	3	25
Huron...........	7	2	14	13	7	43
Iosco...........	6	10	12	7	9	44
Mason...........	4	14	6	4	8	36
Mecosta.........	7	13	8	4	13	45
Menominee.......	7	4	3	4	12	30
Montcalm........	13	12	16	9	17	67
Newaygo.........	5	12	4	11	20	52
Sanilac.........	12	8	7	8	13	48
Wexford.........	6	10	8	8	6	38
POPULATION 50,000-100,000						
Allegan.........	21	20	18	32	14	105
Clinton.........	12	14	20	13	17	76
Eaton...........	13	12	18	21	19	83
Grand Traverse..	16	10	12	16	14	68
Ionia...........	6	17	12	14	17	66
Isabella........	12	18	15	13	19	77
Lapeer..........	17	23	18	20	20	98
Lenawee.........	17	17	19	17	27	97
Marquette.......	7	11	8	9	7	42
Midland.........	13	11	6	10	21	61
Shiawassee......	17	10	19	19	27	92
St. Joseph......	10	11	21	25	9	76
Tuscola.........	8	10	15	17	19	69
Van Buren.......	16	11	17	15	17	76
POPULATION OVER 100,000						
Bay.............	20	11	19	16	28	94
Berrien.........	24	23	40	45	40	172
Calhoun.........	18	16	25	29	32	120
Genesee.........	86	56	86	70	103	401
Ingham..........	33	33	27	33	23	149
Jackson.........	28	28	25	23	33	137
Kalamazoo.......	21	21	26	37	34	139
Kent............	62	68	64	74	64	332
Livingston......	20	31	24	26	17	118
Macomb..........	83	65	105	87	103	443
Monroe..........	34	24	39	32	27	156
Muskegon........	31	25	27	25	23	131
Oakland.........	151	117	132	161	130	691
Ottawa..........	14	19	29	22	36	120
Saginaw.........	36	30	45	39	39	189
St. Clair.......	37	23	41	32	38	171
Washtenaw.......	38	33	59	42	40	212
Wayne...........	220	226	224	272	254	1,196
TOTALS.............	1,417	1,331	1,556	1,569	1,632	7,505

MOTOR VEHICLE TRAFFIC DEATHS IN SELECTED CITIES 10,000 POPULATION AND OVER

City	1982	1983	1984	1985	1986	5 Year Total
POPULATION 10,000-15,000						
Albion..........	0	0	0	0	0	0
Alpena..........	2	3	0	0	2	7
Benton Harbor...	2	3	3	4	2	14
Beverly Hills...	0	1	0	1	1	3
Big Rapids......	0	2	0	0	2	4
Center Line.....	2	2	4	0	0	8
East Grand Rapids	1	0	0	0	0	1
Ecorse..........	1	1	0	1	1	4
Escanaba........	1	2	0	1	0	4
Farmington......	0	0	0	0	0	0
Fraser..........	2	1	5	1	3	12
Grand Haven.....	0	0	0	2	1	3
Grandville......	1	0	1	1	1	4
Grosse Pointe Farms	0	0	1	0	0	1
Grosse Pointe Park	0	0	2	0	0	2
Melvindale......	0	1	2	0	0	3
Menominee.......	0	0	1	0	1	2
Muskegon Heights	2	1	1	1	3	8
Niles...........	1	0	1	2	3	7
Plymouth........	1	1	0	0	0	2
River Rouge.....	0	0	0	1	4	5
Riverview.......	3	2	0	2	0	7
St. Joseph......	0	3	0	0	0	3
Sault Ste. Marie	0	1	0	1	1	3
POPULATION 15,000-25,000						
Adrian..........	2	1	2	7	0	12
Berkley.........	1	1	1	0	0	3
Birmingham......	2	1	0	2	1	6
Clawson.........	0	0	2	3	1	6
Grosse Pointe Woods	1	0	0	0	0	1
Hamtramck.......	0	0	0	2	5	7
Harper Woods....	5	0	2	0	0	7
Hazel Park......	2	2	3	1	2	10
Holland.........	2	1	1	2	2	8
Marquette.......	0	3	1	3	2	9
Monroe..........	4	1	2	2	1	10
Mount Clemens...	2	2	2	3	2	11
Mount Pleasant..	2	2	1	2	1	8
Norton Shores...	5	3	3	1	2	14
Owosso..........	0	0	1	1	2	4
Romulus.........	6	9	6	9	10	40
Traverse City...	3	1	2	0	1	7
Trenton.........	1	0	1	3	3	8
Walker..........	5	4	2	4	5	20
Wayne...........	0	0	2	5	1	8
Ypsilanti.......	1	2	2	2	1	8

MOTOR VEHICLE TRAFFIC DEATHS IN SELECTED CITIES 10,000 POPULATION AND OVER (Continued)

City	1982	1983	1984	1985	1986	5 Year Total
POPULATION 25,000-50,000						
Allen Park......	1	1	1	1	4	8
Battle Creek....	3	4	9	8	7	31
Bay City........	3	1	1	2	3	10
East Detroit....	3	1	2	3	1	10
Ferndale........	3	0	3	4	0	10
Garden City.....	1	1	6	1	0	9
Highland Park...	1	0	3	7	8	19
Inkster.........	5	1	1	1	7	15
Jackson.........	4	2	0	4	1	11
Kentwood........	5	4	3	3	1	16
Lincoln Park....	4	8	5	1	4	22
Madison Heights.	4	2	1	4	7	18
Midland.........	5	5	1	1	4	16
Muskegon........	2	3	5	3	4	17
Oak Park........	3	0	2	0	1	6
Port Huron......	3	1	6	6	4	20
Portage.........	2	3	6	7	3	21
Southgate.......	3	5	3	1	3	15
Wyandotte.......	0	2	1	2	1	6
POPULATION OVER 50,000						
Ann Arbor.......	7	4	7	1	3	22
Dearborn........	12	10	15	17	12	66
Dearborn Heights	3	4	5	3	8	23
Detroit.........	107	112	128	161	116	624
East Lansing....	4	7	0	3	0	14
Flint...........	17	14	17	23	37	108
Grand Rapids....	14	18	15	9	14	70
Kalamazoo.......	3	4	5	4	6	22
Lansing.........	10	10	9	11	8	48
Livonia.........	13	8	6	6	8	41
Pontiac.........	9	5	8	12	13	47
Roseville.......	7	4	5	5	3	24
Royal Oak.......	7	6	7	2	7	29
Saginaw.........	9	6	8	4	12	39
St. Clair Shores	6	6	9	3	4	28
Southfield......	11	2	4	7	5	29
Sterling Heights	7	9	13	15	14	58
Taylor..........	9	13	2	8	16	48
Troy............	10	12	9	15	8	54
Warren..........	15	11	23	14	25	88
Westland........	7	10	8	5	10	40
Wyoming.........	9	2	4	9	7	31

DEATHS, INJURIES, AND ACCIDENTS BY LOCATION

		Statewide		Rural	
Year	Total	Urban	Rural	Trunk-line	County Road
DEATHS					
1967........	2,137	719	1,418	734	684
1968........	2,392	703	1,689	865	824
1969........	2,487	769	1,718	908	810
1970........	2,177	662	1,515	746	769
1971........	2,152	661	1,491	737	754
1972........	2,258	737	1,521	743	778
1973........	2,213	709	1,504	730	774
1974........	1,875	640	1,235	533	702
1975........	1,811	610	1,201	692	509
1976........	1,955	691	1,264	569	695
1977........	1,950	628	1,322	605	717
1978........	2,076	677	1,399	641	758
1979........	1,849	580	1,269	579	690
1980........	1,774	601	1,173	518	655
1981........	1,589	533	1,056	451	605
1982........	1,417	484	933	422	511
1983........	1,331	433	898	355	543
1984........	1,556	486	1,070	450	620
1985........	1,569	524	1,045	470	575
1986........	1,632	541	1,091	434	657
INJURIES					
1967........	151,297	95,583	55,714	26,122	29,592
1968........	160,413	99,813	60,600	27,386	33,214
1969........	175,400	114,409	60,991	27,790	33,201
1970........	161,719	102,960	58,759	26,205	32,554
1971........	157,664	99,762	57,902	25,890	32,012
1972........	178,929	115,834	63,095	28,147	34,948
1973........	169,485	108,170	61,315	25,599	35,716
1974........	141,132	88,755	52,377	20,209	32,168
1975........	147,299	91,573	55,726	21,053	34,673
1976........	162,894	99,704	63,190	25,251	37,939
1977........	166,389	99,612	66,777	26,927	39,850
1978........	169,202	99,533	69,669	28,194	41,475
1979........	162,571	97,167	65,404	26,171	39,233
1980........	144,972	85,760	59,212	22,508	36,704
1981........	136,455	80,736	55,719	21,431	34,288
1982........	130,061	76,885	53,176	21,024	32,152
1983........	135,811	80,792	55,019	21,457	33,562
1984........	150,740	89,912	60,828	24,427	36,401
1985........	157,417	94,355	63,062	25,628	37,434
1986........	158,032	94,136	63,896	25,073	38,823
ACCIDENTS					
1967........	299,004	212,094	86,910	38,233	48,677
1968........	305,495	209,854	95,641	42,021	53,620
1969........	331,223	231,375	99,848	44,131	55,717
1970........	313,715	210,932	102,783	44,984	57,799
1971........	314,015	204,095	109,920	48,941	60,979
1972........	359,745	236,116	123,629	53,673	69,956
1973........	350,864	228,660	122,204	50,431	71,773
1974........	324,763	210,716	114,047	43,396	70,651
1975........	333,560	213,934	119,626	44,707	74,919
1976........	365,600	232,293	133,307	52,401	80,906
1977........	374,751	232,322	142,429	55,813	86,616
1978........	389,193	239,201	149,992	58,582	91,410
1979........	366,435	226,717	139,718	54,759	84,959
1980........	314,594	189,285	125,309	46,853	78,456
1981........	302,831	180,528	122,303	46,378	75,925
1982........	294,971	176,752	118,219	45,222	72,997
1983........	300,797	178,906	121,891	46,387	75,504
1984........	335,193	198,846	136,347	53,865	82,482
1985........	386,904	231,318	155,586	62,087	93,499
1986........	400,694	236,626	164,068	64,023	100,045

MOTOR VEHICLE TRAFFIC DEATHS IN MICHIGAN BY MONTH

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1937......	189	127	149	142	161	176	221	234	202	224	181	169	2,175
1938......	118	65	84	91	109	99	126	139	153	164	161	145	1,454
1939......	101	89	103	80	118	122	172	150	128	166	164	187	1,580
1940......	122	98	137	99	130	141	127	161	158	216	184	157	1,730
1941......	131	128	152	128	193	178	195	231	176	230	219	172	2,133
1942......	139	114	89	96	129	92	120	125	146	109	87	79	1,325
1943......	59	51	79	44	75	89	82	67	110	118	96	122	992
1944......	130	100	81	82	49	57	59	95	68	97	116	100	1,034
1945......	71	60	85	78	74	71	94	88	118	160	131	120	1,150
1946......	107	98	121	88	110	106	119	130	123	143	160	165	1,470
1947......	86	86	85	113	124	114	134	149	134	142	145	135	1,447
1948......	89	64	92	109	125	118	138	134	150	133	165	195	1,512
1949......	101	82	106	91	110	99	116	138	169	144	149	136	1,441
1950......	105	84	87	139	122	125	153	152	157	174	154	153	1,605
1951......	131	103	103	117	119	137	170	163	158	146	160	133	1,640
1952......	81	121	125	94	145	169	140	184	181	152	166	178	1,736
1953......	139	116	136	132	134	173	176	183	187	187	167	175	1,905
1954......	130	126	100	119	149	132	182	167	168	167	153	200	1,793
1955......	134	117	116	160	157	192	169	209	160	204	208	190	2,016
1956......	166	136	132	140	133	115	149	159	169	144	145	158	1,746
1957......	121	98	118	118	130	122	127	152	123	143	135	161	1,548
1958......	94	90	95	89	92	112	120	134	132	113	165	146	1,382
1959......	76	69	91	126	126	124	148	128	155	125	144	161	1,473
1960......	139	76	102	105	107	133	159	154	137	186	152	154	1,604
1961......	105	99	113	138	133	114	141	166	128	139	148	143	1,567
1962......	94	70	115	110	123	147	166	175	170	172	118	114	1,574
1963......	107	95	124	142	148	173	188	177	163	179	196	195	1,887
1964......	170	159	158	144	164	167	217	197	177	199	177	193	2,122
1965......	153	113	135	143	156	181	211	220	193	214	172	245	2,136
1966......	147	156	179	151	207	204	212	206	203	220	205	208	2,298
1967......	130	105	141	162	187	140	210	189	223	230	216	204	2,137
1968......	130	147	164	150	240	214	208	233	209	248	283	166	2,392
1969......	137	158	173	169	239	236	218	254	230	236	219	218	2,487
1970......	167	143	160	141	214	205	197	204	213	217	178	138	2,177
1971......	137	124	155	144	187	212	222	227	155	209	202	178	2,152
1972......	156	161	155	150	204	209	225	210	225	219	174	170	2,258
1973......	187	156	173	140	180	230	225	201	204	209	171	137	2,213
1974......	111	112	107	116	144	197	189	178	200	195	201	125	1,875
1975......	120	97	112	93	149	169	195	203	190	162	161	160	1,811
1976......	118	102	134	150	163	169	196	227	189	171	174	162	1,955
1977......	126	87	122	143	184	179	223	194	164	189	181	158	1,950
1978......	98	104	128	177	178	203	206	229	214	199	183	157	2,076
1979......	102	103	129	152	146	155	190	171	174	187	171	169	1,849
1980......	117	131	109	116	153	170	142	183	192	152	133	176	1,774
1981......	99	100	108	116	116	155	159	171	149	155	113	148	1,589
1982......	98	79	93	91	114	121	154	153	128	144	131	111	1,417
1983......	113	94	83	91	91	127	121	117	131	153	115	95	1,331
1984......	93	84	104	94	125	143	175	174	135	153	134	142	1,556
1985......	108	91	77	133	137	167	146	136	131	135	161	147	1,569
1986......	86	77	103	127	131	175	186	176	131	144	159	137	1,632

TREND DATA FOR FATAL ACCIDENTS

Trend Data	1982	1983	1984	1985	1986
AGE OF PERSONS KILLED, TOTAL					
0 - 4 years	22	23	29	35	28
5 - 9 years	37	35	37	57	32
10 - 14 years	48	47	54	55	61
15 - 19 years	219	222	249	216	268
20 - 24 years	223	232	242	238	251
25 - 34 years	297	269	330	317	316
35 - 44 years	146	152	168	182	190
45 - 54 years	122	109	113	119	119
55 - 64 years	118	80	121	121	104
65 - 74 years	80	65	110	104	118
75 years and over	100	95	101	124	143
Not Stated	5	2	2	1	2
TOTALS	1,417	1,331	1,556	1,569	1,632
AGE OF PERSONS KILLED, PEDESTRIANS					
0 - 4 years	9	9	7	6	7
5 - 9 years	19	18	18	26	20
10 - 14 years	10	15	12	16	19
15 - 19 years	21	34	29	25	25
20 - 24 years	32	26	13	18	21
25 - 34 years	37	39	50	42	36
35 - 44 years	24	23	27	33	24
45 - 54 years	15	12	21	13	17
55 - 64 years	20	20	27	24	19
65 - 74 years	12	15	20	18	24
75 years and over	28	30	25	29	25
Not Stated	0	0	1	1	2
TOTALS	227	241	250	251	239
AGE OF DRIVERS INVOLVED					
15 years and under	9	11	13	15	23
16 years	44	41	49	65	53
17 years	59	56	73	69	78
18 - 19 years	159	141	184	170	174
20 - 24 years	352	344	384	408	399
25 - 34 years	494	464	556	548	559
35 - 44 years	244	249	301	318	348
45 - 54 years	201	162	173	188	191
55 - 64 years	154	124	150	159	159
65 years and over	148	135	174	185	211
Not Stated	63	37	58	64	39
TOTALS	1,927	1,764	2,115	2,189	2,234
PEDESTRIAN ACTION					
Crosssing at intersection	42	32	47	51	59
Cross not at intersection	78	98	88	96	96
In road with traffic	38	23	23	25	15
In road against traffic	5	9	6	3	8
Standing or lying in road	36	48	39	12	14
Pushing/working on vehicle	4	4	3	4	5
Other working in road	1	0	0	1	3
Playing in road	0	0	0	1	1
In road for other reason	4	8	10	24	15
Not in road	17	18	24	18	14
Other or not stated	2	1	10	16	9
TOTALS	227	241	250	251	239

FATAL ACCIDENTS AND PERSONS KILLED FOR SELECTED HOLIDAY PERIODS IN MICHIGAN

Holiday	Fatal Accidents	Persons Killed	Summary for 1986
MEMORIAL DAY			
1986 (3)......	14	16	
1985 (3)......	18	23	
1984 (3)......	14	18	This schedule shows traffic death tolls in Michigan for the past five years for the major holiday periods. Based on the total 1986 experience, deaths averaged 4.5 per day. All weekend deaths, Saturdays and Sundays, plus six hours of the preceding Fridays, totaled 681 which is an average of 13.1 deaths per weekend. From experience, it is evident that Michigan's highways have their share of tragedies.
1983 (3)......	11	13	
1982 (3)......	9	9	
FOURTH OF JULY			
1986 (3)......	23	23	
1985 (4)......	15	17	
1984 (1)......	8	8	
1983 (3)......	21	22	
1982 (3)......	28	30	
LABOR DAY			
1986 (3)......	18	21	
1985 (3)......	14	17	
1984 (3)......	17	19	
1983 (3)......	17	17	
1982 (3)......	21	21	
THANKSGIVING			
1986 (4)......	15	17	
1985 (4)......	22	23	
1984 (4)......	18	19	
1983 (4)......	11	12	
1982 (4)......	23	27	
CHRISTMAS			
1986 (2)......	9	9	
1985 (2)......	7	9	
1984 (4)......	18	20	
1983 (3)......	5	5	
1982 (3)......	16	19	
NEW YEARS			
1986 (2)......	7	8	
1985 (2)......	4	5	
1984 (4)......	25	25	
1983 (3)......	8	8	
1982 (3)......	9	9	

Figures in parentheses show number of full days in each holiday period. Deaths are for these days plus the last six hours of the preceding day.

MOTOR VEHICLE TRAFFIC ACCIDENT AND RELATED DATA

Year	Deaths	Injuries	Accidents	Estimated Mileage (Millions)	Motor Vehicle Registrations*	Death Rate**
1943	992	21,988	71,450	10,530.0	1,542,798	9.4
1944	1,034	23,401	72,013	10,651.0	1,505,246	9.7
1945	1,150	27,755	83,160	11,915.6	1,483,466	9.7
1946	1,470	34,479	110,631	16,191.1	1,619,541	9.1
1947	1,447	38,195	137,619	17,661.1	1,850,274	8.2
1948	1,512	40,892	140,172	19,069.2	2,030,685	7.9
1949	1,441	41,197	143,197	19,990.4	2,203,375	7.2
1950	1,605	45,734	161,750	21,494.5	2,439,593	7.5
1951	1,640	48,418	176,587	22,668.1	2,560,652	7.2
1952	1,736	49,119	160,829	23,093.1	2,586,834	7.5
1953	1,905	57,834	184,174	25,346.9	2,808,921	7.5
1954	1,793	56,444	185,534	26,041.2	2,889,740	6.9
1955	2,016	62,234	196,812	28,282.5	3,149,323	7.1
1956	1,746	61,158	197,995	28,429.3	3,173,704	6.1
1957	1,548	60,067	191,915	29,252.2	3,256,150	5.3
1958	1,382	57,767	177,934	29,411.3	3,157,441	4.7
1959	1,473	64,873	198,771	30,679.0	3,252,492	4.8
1960	1,604	91,026	209,724	31,842.4	3,352,234	5.0
1961	1,567	93,350	199,973	32,101.5	3,395,736	4.9
1962	1,574	108,143	233,078	34,498.0	3,498,758	4.6
1963	1,887	126,896	261,794	36,452.2	3,646,080	5.2
1964	2,122	144,623	284,444	38,617.6	3,860,791	5.5
1965	2,136	155,258	310,598	40,857.4	4,066,826	5.2
1966	2,298	156,694	302,880	43,940.1	4,133,199	5.2
1967	2,137	151,297	299,004	45,053.6	4,161,573	4.7
1968	2,392	160,413	305,495	48,047.4	4,327,885	5.0
1969	2,487	175,400	331,223	50,904.9	4,560,097	4.9
1970	2,177	161,719	313,715	53,148.1	4,683,919	4.1
1971	2,152	157,664	314,015	55,539.7	4,835,146	3.9
1972	2,258	178,929	359,745	57,817.1	5,160,985	3.9
1973	2,213	169,485	350,864	58,478.4	5,442,233	3.8
1974	1,875	141,132	324,763	55,748.7	5,652,406	3.4
1975	1,811	147,299	333,560	56,260.5	5,744,441	3.2
1976	1,955	162,894	365,600	61,638.0	5,861,908	3.2
1977	1,950	166,389	374,751	64,853.0	6,138,732	3.0
1978	2,076	169,202	389,193	67,380.0	6,436,365	3.1
1979	1,849	162,571	366,435	64,882.3	6,536,246	2.8
1980	1,774	144,972	314,594	61,190.1	6,570,735	2.9
1981	1,589	136,455	302,831	62,000.0	6,140,286	2.6
1982	1,417	130,061	294,971	61,321.0	6,400,942	2.3
1983	1,331	135,811	300,797	63,560.1	6,443,499	2.1
1984	1,556	150,740	335,193	65,727.0	6,509,192	2.4
1985	1,569	157,417	389,904	68,413.0	6,857,364	2.3
1986	1,632	158,032	400,694	70,622.0	6,952,263	2.3

*Excludes trailers and trailer coaches.

**Deaths per 100 million miles of travel.